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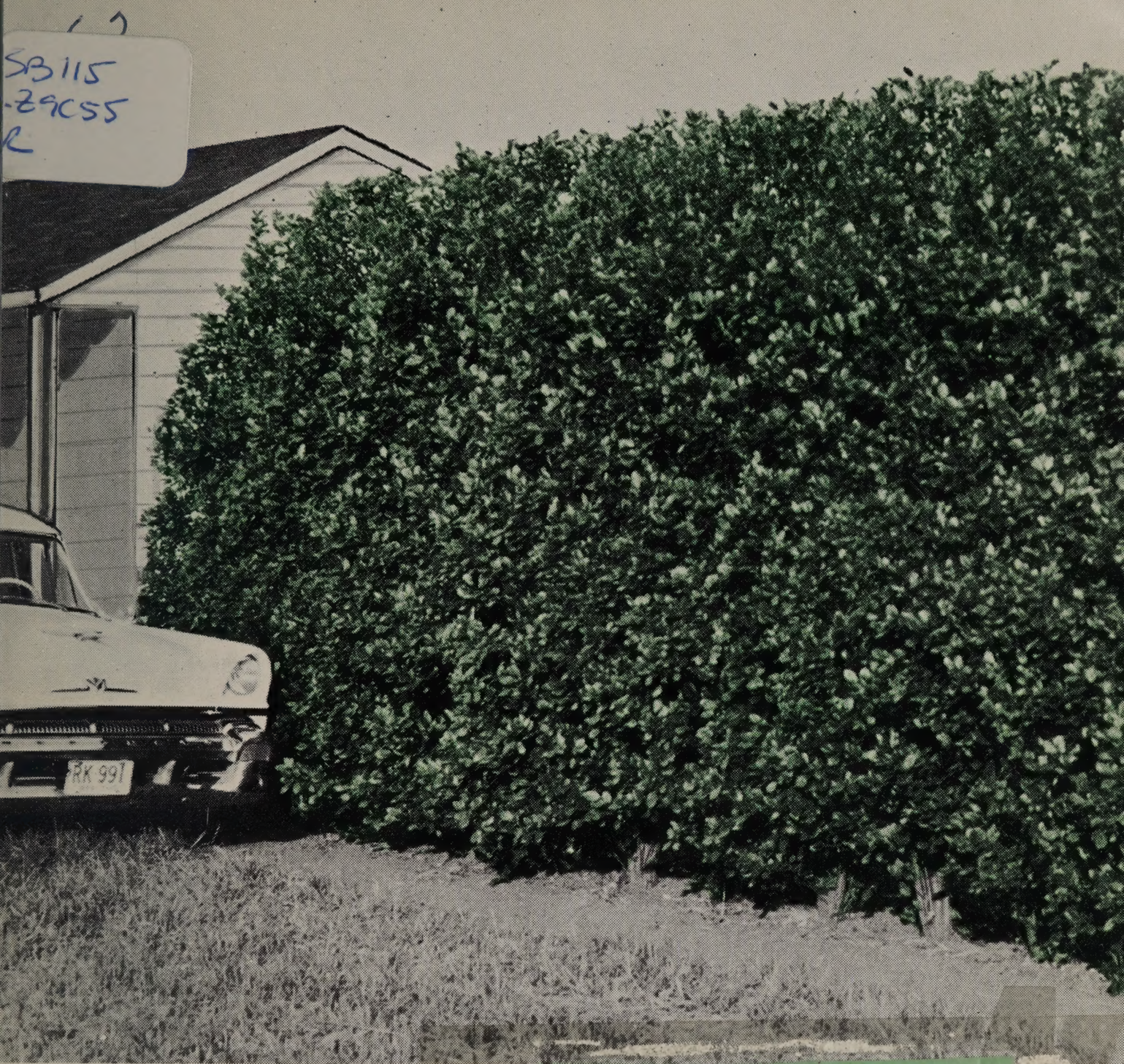

The Cole Nursery Co., Painesville, Ohio

Tallhedge ...America's most beautiful

Rhamnus frangula columnaris. P.P.1488. Luedy

new multi-purpose hedge meets your needs

for perfect hedges and screens at low cost

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COLE

FALL 1963 TRADE LIST

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Ordering Information

PRICES on Bare Root stock are F.O.B. Painesville or Circleville, and include careful loading, with damp packing material, on trucks or trailers. Any necessary boxing or wrapping is charged at near cost. This is based on current conditions and is subject to market and economic changes.

PRICES on Balled and Burlapped stock are F.O.B. the nursery of origin namely Painesville, Ohio, or Circleville, Ohio.

PAYMENT TERMS. Open account is available to firms having an established credit record for prompt payment. New accounts should furnish 3 or 4 trade references and allow time for checking. Credit terms are net 30 days, but 2% discount is awarded for payment in 10 days from invoice date. **A service charge of ½% per month will be made on all overdue accounts.**

CASH with order merits 2% discount. Be sure to include enough to cover packing (average 5%) so as to eliminate C.O.D. costs. Overpayments returned promptly.

C.O.D. orders must be accompanied by at least ⅓ of the total amount of the order, and take no discounts.

SHIPMENTS travel at expense and risk of purchaser. Where damage or delay occurs in shipment, you should make claim to transportation company at once. **Please** specify routing of your shipments and method you prefer. Where no instructions are given, we will ship according to the situation, as we think best serves your interest.

GUARANTEE. All stock is guaranteed true-to-name and in good healthy condition, but we assume no responsibility after it leaves the nursery. We give no warranty, expressed or implied, as to productiveness or growth and will not in any way be responsible for the results secured in transplanting. It is mutually agreed that our liability for any errors or other causes is confined to free replacement or refund of purchase price.

CLAIMS for errors, rejections, shortages, or any other reason **will be entertained only if made within 5 days after arrival of goods.**

TRUCKING. During planting season, we arrange frequent combination bulk deliveries to Albany, Buffalo, Cleveland, Columbus, Cincinnati, Chicago, Detroit, Ft. Wayne, Grand Rapids, Indianapolis, Pittsburgh, Philadelphia, Rochester, Syracuse and Toledo areas. Trucking can easily be arranged to other cities within 600 miles. Rates reasonable.

COLE'S

FALL 1963 TRADE LIST

Plant America

Painesville A/C 216 352-3121
Circleville A/C 614 474-6326

NURSERYMEN FOR 84 YEARS

THE COLE NURSERY CO.
HEADQUARTERS: 2000 W. Jackson St., Painesville, Ohio
CIRCLEVILLE DIVISION: R. D. No. 1, Circleville, Ohio

WHOLESALE ONLY

The Cole Nursery Company is strictly a wholesale establishment, specializing in high grade woody ornamentals. To better serve persons entitled to trade prices, all retail business was discontinued some years ago.

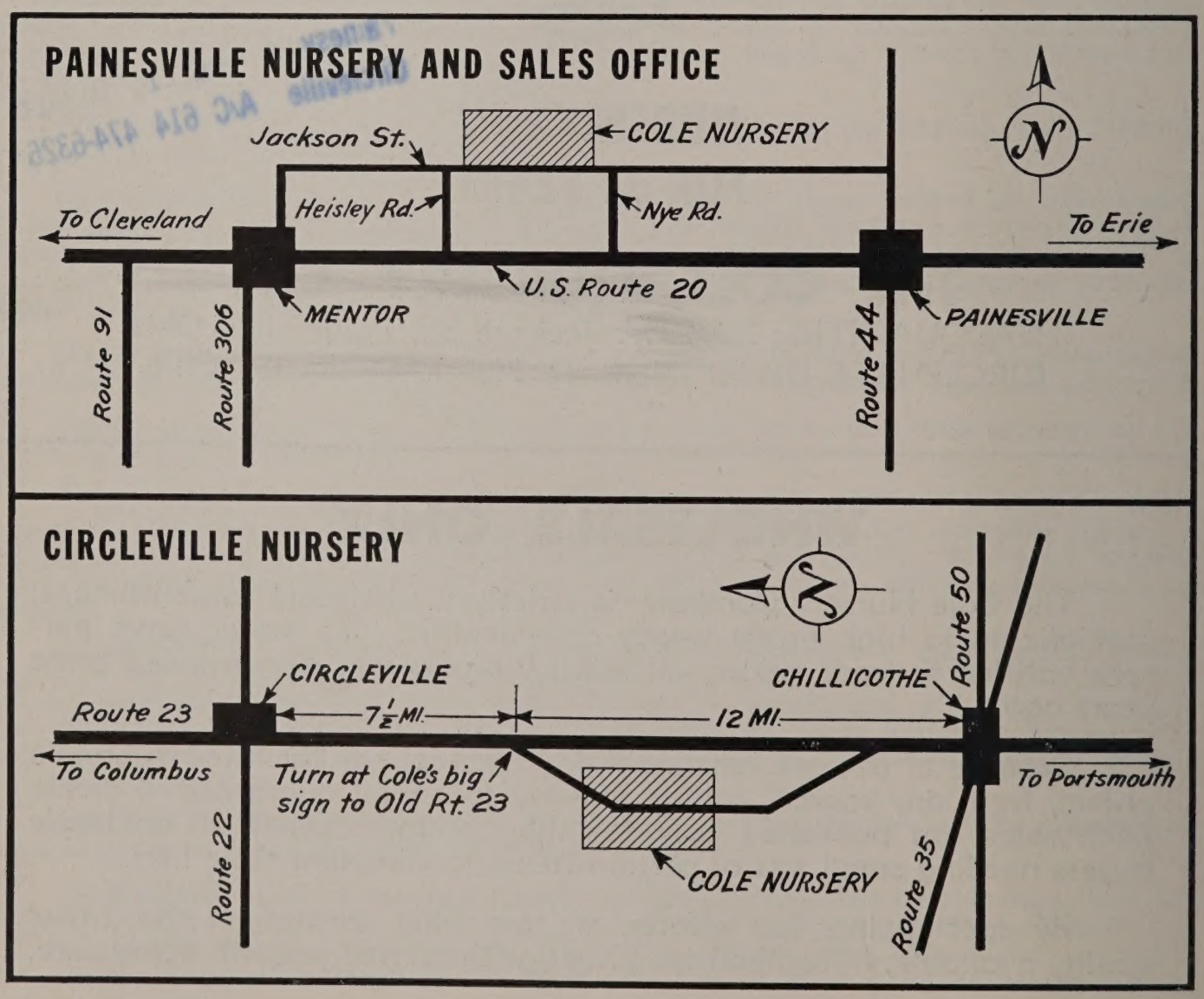
Because of this, we have neither personnel nor facilities to handle orders, from any source, calling entirely for small quantities of stock. Each rates are published only for the accommodation of wholesale buyers needing small lots of certain items to complete their lists.

By specializing our efforts, we are able to furnish the finest quality available, at competitive prices, with service you will appreciate.

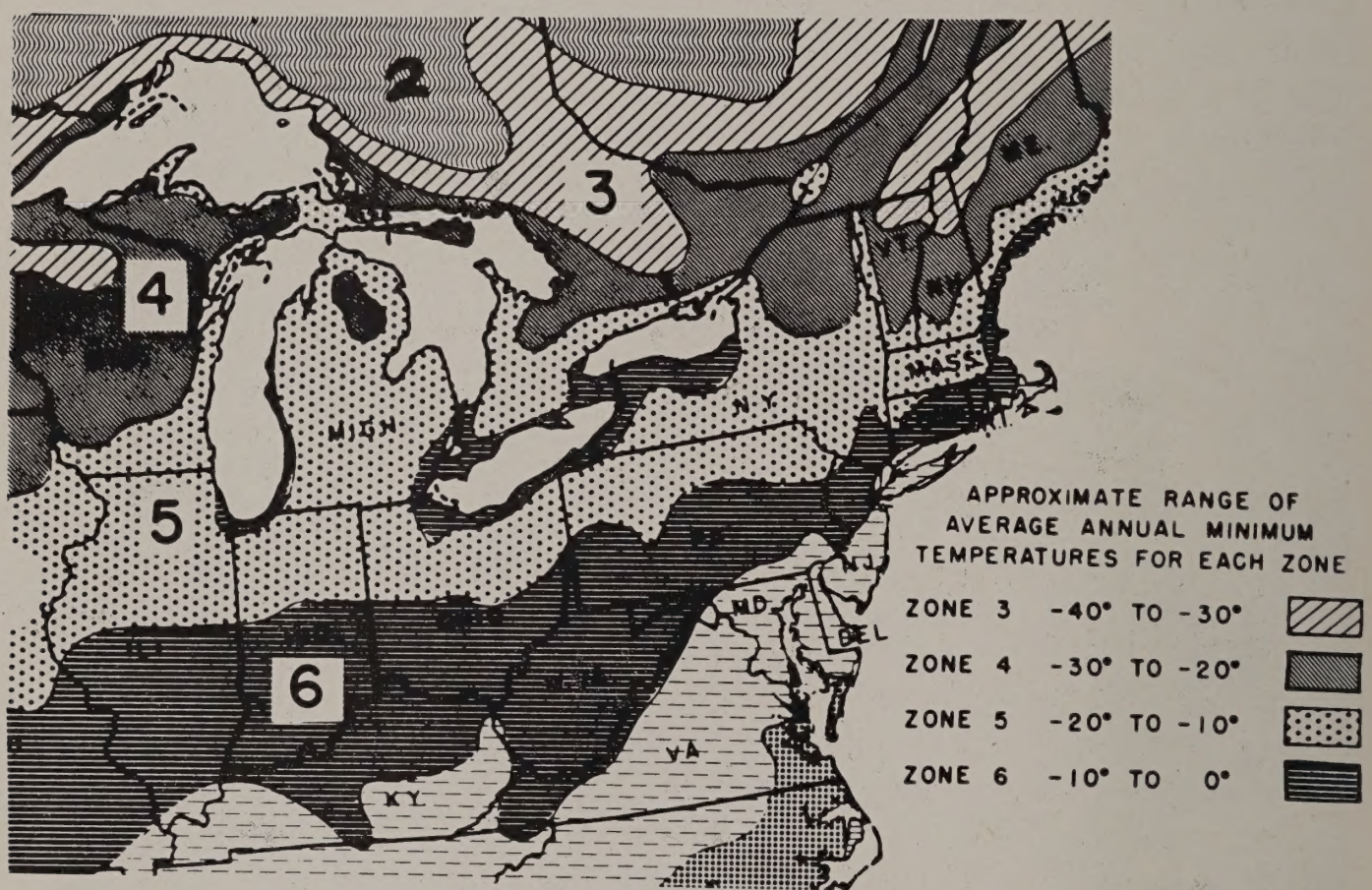
Our Invitation To You

You're always welcome to visit us at our Painesville nursery and sales office or our 800-acre nursery at Circleville, Ohio. You'll see more than half a million specialized Cole trees, including patented new varieties and many of your favorite old standards, improved by selective propagation and scientific culture. You can inspect all the varieties of high-quality nursery stock listed in this catalog. We'll be happy to show you our modern, mechanized methods of planting, fertilizing, irrigating, cultivating, pruning and digging that produce healthy, well-formed trees and plants with the strongest roots grown. You can see the careful packing and shipping methods we use to make sure all Cole trees and plants arrive in good condition. Come and see for yourself. We will be glad to see you.

HOW TO FIND US



The parent CLEVELAND NORWAY MAPLE — the picture tells the story.



The Zones of Plant Hardiness

For each plant offered there is an accompanying zone number. Average minimum temperatures are the main basis for these zones. A species that lives in one zone is likely to thrive in a warmer zone. However, other growth factors such as rainfall, soil type, summer heat, age of plant and cultural conditions may affect a plant's hardiness.

You're always welcome at Cole's. We are located east of Cleveland, halfway between Mentor and Painesville, on Jackson Street. U.S. Route 20 passes one block south of our office. Interstate 90 and the Lakeland Freeway are within a mile or so of the office.

Our new 800-acre nursery, on Route 23 south of Circleville, Ohio, is exceeding all expectations. Bob Cole will be glad to show you around.

COME SEE AMERICA'S FINEST QUALITY TREES

COLE'S ROYAL FAMILY OF TREES

A Select List of Choice New Types

And The Most Popular Standards

Cole has long been known for producing the finest trees for all markets. Continuous research for improved varieties and production methods has resulted in our present leadership in this field. Planted in seven-foot rows, our trees have ample room for proper development of root, body, and top. Because all digging and root-pruning is done mechanically, you benefit by a **vastly superior root system** and consequent transplanting success.

SUPERIOR VARIETIES AVAILABLE

Cole offers an increasing number of vegetatively propagated strains of superior trees. Where uniformity is wanted, or where trees of known form, shape and size are desired, these clonal types are without equal.

NOTES

The size immediately following the name is the estimated practical height at maturity, under local cultural conditions.

Where an item is usually moved with a ball of earth, we indicate the recommended B&B size after the listing, thusly: 4 to 5 ft. (15" Ball), and the price includes balling charges. Should earth balls be desired on other items, prices and weights are listed on the inside back cover.

Although caliper listings of trees are also indicative of top development, we imply no relationship of this measurement to height. This is entirely subject to differences in varieties, cultural practices, and the growing season.

An additional charge of 20% will be made on plants personally selected and tagged in the nursery.

Specimens will be priced according to quality selected.

ACER campestre — 25' (Zone 4) **Hedge Maple**

Outstanding low growing, shrubby tree. Interesting foliage. Novel corky bark. Slow grower that does well in dry locations. An 'under the wires' tree.

	1-4 Each	5-24 Each	25 up Each
4 to 5 ft. clumps		$ 2.50	$ 2.15
5 to 6 ft. clumps		2.90	2.50
6 to 7 ft. clumps		4.00	
4 to 5 ft. tree form		2.80	2.40
5 to 6 ft. tree form		3.50	3.00
6 to 7 ft. tree form		4.60	

TREE FORM AMUR MAPLE, ACER GINNALA. Also available in Acer campestre (Hedge Maple) and Acer tataricum (Tatarian Maple).

THE SILVER MAPLES

dasycarpum (saccharinum) — 70' (Zone 3) **Silver Maple**

Fast growing, graceful. Leaves silvery beneath. Stands rather wet conditions, also heat and drought.

	1-4 Each	5-24 Each	25 up Each
4 to 6 ft., ½" to 11/16" Whips $30.00 per 100			
6 to 8 ft., 11/16" up Whips $50.00 per 100			
4 to 6 ft., ½" to 11/16" Light Branched ($50.00 per 100)			.70
6 to 8 ft., 11/16" to ⅞" Light Branched ($ 90.00 per 100)			1.10
6 to 8 ft.		2.20	1.75
8 to 10 ft.		2.80	2.35
1¼ to 1½ in.		3.50	3.00
1½ to 1¾ in.		4.50	3.75
1¾ to 2 in.	7.20	5.50	4.75
2 to 2½ in.	9.00	6.90	6.00
2½ to 3 in.	12.80	9.80	8.50
2½ to 3 in. (30" Ball)	34.00	27.00	24.00
3 to 4 in.	19.50	15.00	13.00
3 to 4 ft. (33" Ball)	52.00	41.50	37.00

d. 'Beebe' Cutleaf Weeping — 45' (Zone 3) **New Superior Variety**

Horizontal branching habit, better than Wier or Skinner.

8 to 10 ft.		4.60	4.00
1¼ to 1½ in.	7.50	5.75	

d. 'Pyramidal' — 60' (Zone 3) **Pyramidal Silver Maple**

Symmetrical tree of broad pyramidal habit, full-headed even when young. New distinctive budded variety. Excellent foliage.

8 to 10 ft.		4.40	3.85
1¼ to 1½ in.	6.80	5.20	4.50
1½ to 1¾ in.	9.00	6.90	6.00

CLEVELAND NORWAY MAPLE — One of several superior clones of shade and ornamental trees Cole is producing in substantial quantities.

ACER — Continued	1-4 Each	5-24 Each	25 up Each
ginnala — 15′ (Zone 2)			**Amur Maple**
Small tree with upright-round, dense head; extremely hardy. Leaves turn brilliant scarlet in fall. One of our best small trees.			
3 to 4 ft.		1.50	1.10
4 to 5 ft.		1.80	1.40
5 to 6 ft.		2.10	1.75
6 to 8 ft.		2.60	2.25
1¼ to 1½ in.	6.40	4.90	4.25
1½ to 1¾ in.	9.00	6.90	6.00
Clumps			
6 to 7 ft.		4.60	
7 to 8 ft.	7.10	5.50	

THE NORWAY MAPLES

platanoides — 50′ (Zone 3)			**Norway Maple**
Rounded, dense head. Favorite street and park tree; noted for its dark foliage and ability to stand drought and city conditions. Our trees are transplanted, spaced, beautifully headed.			
8 to 10 ft.		4.00	3.50
1¼ to 1½ in.		4.90	4.25
1½ to 1¾ in.	8.00	6.10	5.25
1¾ to 2 in.	9.75	7.50	6.50
2 to 2½ in.	12.75	9.80	8.50
2½ to 3 in.	18.00	13.80	12.00
2½ to 3 in. (30″ Ball)	38.00	30.50	27.00
3 to 3½ in.	25.00	19.30	16.75
3 to 3½ in. (33″ Ball)	50.50	40.50	36.00

Few trees are as impressive in and out of the nursery row as the dark green leaved **COLUMNAR NORWAY MAPLE.** Cole offers them low branched, too, for creating an immediate wall of green.

ACER — Continued

	1-4 Each	5-24 Each	25 up Each
p. 'Cleveland' — 50' (Zone 3)	**Cleveland Norway Maple**		
A vigorous growing selection with improved foliage.			
1¼ to 1½ in.	7.50	5.75	5.00
1½ to 1¾ in.	9.00	6.90	6.00
1¾ to 2 in.	10.70	8.20	7.50
2 to 2½ in.	14.30	11.00	9.50
2½ to 3 in.	20.00		
p. 'Columnar' (Ascendens) — 40' (Zone 3)	**Columnar Norway Maple**		
Compact narrow form for street planting, accent and formal effect. Particularly useful for shallow lawnstrips, heavy screen, etc. The most practical of all columnar trees in our region.			
6 to 8 ft., 1 to 1¼ in.		4.60	4.00
1¼ to 1½ in.	8.40	6.40	5.50
1½ to 1¾ in.	10.50	8.10	7.00
1¾ to 2 in.	13.00	9.90	8.60
2 to 2½ in.	14.30	11.00	9.50
2½ to 3 in.	18.50	15.00	13.00
2½ to 3 in. (30" Ball)	39.50	31.50	28.00
3 to 3½ in.	25.50	19.50	17.00
3 to 3½ in. (33" Ball)	50.50	40.50	36.00
5 to 6 in. (48" Ball)	127.00		

Low Branched

Branched less than 12 inches from the ground for screen and specimen plantings.

7 to 8 ft.		4.60	4.00
8 to 10 ft.	7.50	5.75	5.00

Nearly every item in this catalog is certified for shipment outside the Japanese Beetle Zone. You can't get the Beetle from Cole's.

SUMMERSHADE NORWAY MAPLE — Plant Patent No. 1748
A Princeton introduction. New, upright, rapid growing.

ACER — Continued

	1-4 Each	5-24 Each	25 up Each
p. 'Crimson King', Plant Pat. No. 735—35' (Zone 4) Crimson King Norway Maple Rich maroon leaf color is retained all summer. Very striking when planted in conjunction with "Sunburst" Honeylocust..			
5 to 6 ft. Whips (100 up, $1.80) (Spring Only)		2.35	2.00
6 to 8 ft.		5.20	4.50
1 to 1¼ in.	8.60	6.60	5.75
1¼ to 1½ in.	10.50	8.10	7.00
1½ to 1¾ in.	13.70	10.50	
1¾ to 2 in.	19.50	15.00	
2 to 2½ in.	26.00	20.00	
2 to 2½ in. (26" Ball)	39.00	31.00	
p. 'Irish — 60' (Zone 3) Chas. F. Irish Norway Maple Said to grow larger than ordinary Norway. Upsweeping branches give an informal globe effect.			
1½ to 1¾ in.	9.00	7.00	
1¾ to 2 in.	11.20	8.70	7.50
2 to 2½ in.	14.30	11.00	9.50
2½ to 3 in.	20.00		

ACER — Continued	1-4 Each	5-24 Each	25 up Each
p. 'Globe' — 15-18' (Zone 3)	**Globehead Norway Maple**		
Dense, formal type useful for street planting and accent, particularly in restricted areas and under city conditions.			
2 yr. heads, 6 ft. stem 1 to 1¼ in. (Spring Only)	8.30	6.40	5.50
3 yr. heads, 6 ft. stem	11.20	8.60	7.50
1¾ to 2 in., 6 ft. stem	15.60	12.00	
2 to 2½ in., 6 ft. stem	21.00	15.00	
p. McGill's 'Emerald Queen' (Zone 3)	**Emerald Queen Norway Maple**		
Very rapid grower, straight as an arrow; good branching tendencies. The dark glossy green leathery foliage is extremely attractive and has distinct character.			
1¼ to 1½ in.		5.75	5.00
1½ to 1¾ in.	9.00	6.90	6.00
p. 'Summershade' — 60-75' (Zone 3)	**Summershade Norway Maple**		
Plant Patent No. 1748			
New, rapid growing, upright sort developed by The Princeton Nursery Co. Dark, leathery foliage resists windburn and insect injury.			
8 to 10 ft.	6.75	5.50	4.50
1¼ to 1½ in.	10.00	8.00	6.50
1½ to 1¾ in.	12.50	10.25	8.15
1¾ to 2 in.	16.00	13.00	10.50
2 to 2½ in.	21.00	16.25	13.50

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pseudoplatanus 'Spaethi' — 25' (Zone 5) **Purpleleaf Sycamore Maple**

Rich green foliage is a startling burgundy red on underside making an attractive contrast.

1½ to 1¾ in.	$ 12.00
1¾ to 2 in.	15.50

EACH RATES in this catalog are for the accommodation of customers who place substantial orders, yet need small amounts of certain items to fill out their plantings. We do not have the facilities to handle orders calling entirely for small quantities of stock.

Unless usual planting practice, or the plant's normal habit, dictates otherwise, all Cole trees are standards. Great care is used to maintain a proper balance stem length and head height.

During planting season, we arrange frequent combination bulk deliveries to Albany, Buffalo, Cleveland, Columbus, Cincinnati, Chicago, Detroit, Ft. Wayne, Grand Rapids, Indianapolis, Pittsburgh, Philadelphia, Rochester, Syracuse and Toledo areas.

PARK GRADE TREES

33⅓% LESS

SPECIAL

For Parks, Golf Courses, Cemeteries and other "Open Space" areas.

Often the uniformity of Cole's No. 1 tree is not wanted or required.

With the best culture, we find in many blocks some trees that fall short of our strict specifications for our regular top grade.

Some are lower or higher headed, some have minor crooks in the stem or tops lean some, or are somewhat one sided.

Such trees are perfectly suitable for less exacting uses. They have the same stamina, health, and freedom of disease as regular grade material. Also, the same big root system resulting from Cole's adequate spacing and frequent transplanting.

Cole does **not** sell any old decrepit or cull trees.

PRICES AND VARIETY LIST

33⅓% Off Regular Listed Prices

Minimum 25 trees of one variety

Sizes available — 1½ inch caliper and better, except where noted.

Acer dasycarpum
Acer ginnala—6 to 7 ft., up
Acer platanoides
Acer saccharum
Crataegus lavelli — 1 inch, up
Fraxinus pennsylvanica lanceolata
Gleditsia triacanthos inermis
Koelreuteria paniculata — 5 feet, up
Phellodendron amurense
Platanus acerifolia
Quercus borealis
Quercus coccinea
Quercus palustris
Tilia cordata
Ulmus parvifolia
Zelkova serrata

Also available — Some other varieties in modest quantities. Please inquire.

The beautiful original BOWHALL RED MAPLE as a lawn specimen
See page 13

THE RED or SCARLET MAPLES

rubrum — 60′ (Zone 3) Red or Scarlet Maple

Symmetrical tree at home in normal or wet situation. Scarlet flowers in early spring; leaves brilliant red in autumn.

	1-4 Each	5-24 Each	25 up Each
8 to 10 ft.	$	$ 4.60	$ 4.00
1¼ to 1½ in.	7.50	5.75	5.00
1½ to 1¾ in.	11.00	8.60	7.50
1¾ to 2 in.	14.30	11.00	9.50
2 to 2½ in.	18.20		
3½ to 4 in. (36″ Ball)	73.00	58.00	
4 to 4½ in. (40″ Ball)	91.00	73.00	

r. columnare — 50′ (Zone 3)
Columnar Red Maple

An excellent clone with remarkable fall color; foliage of good substance. Use for accent or on narrow streets.

1¼ to 1½ in.	11.20	8.60	7.50
1½ to 1¾ in.	13.65	10.50	9.15
1¾ to 2 in.	18.00		

AN IMPROVED RACE OF RED MAPLES

Selected to suit the demands of the latest ideas in tree plantings. All three have the same brilliant autumn coloring inherent to Acer rubrum.

r. 'Armstrong' — 35′ (Zone 3)
Armstrong Red Maple

A fastigiate, spire-like type fitting into the narrowest tree lawn or planting space.

8 to 10 ft.	9.00	7.00	
1¼ to 1½ in.	11.20	8.00	7.50
1½ to 1¾ in.	13.80	10.60	9.20
1¾ to 2 in.	18.00	13.80	12.00
2 to 2½ in.	24.00	18.50	
2½ to 3 in. (30″ Ball)	50.00	40.00	
3 to 3½ in. (33″ Ball)	64.00	51.50	

r. 'Bowhall' — 40′ (Zone 3)
The original Bowhall Red Maple

Excellent conical, pyramid shape. Brilliant fall color. Has been available for many years, but just coming into prominence with demand for the "New Look" in trees.

8 to 10 ft.	11.20	8.60	7.50
1½ to 1¾ in.	13.80	10.60	9.20

r. 'Tilford' — 35′ (Zone 3) Tilford Red Maple

Broadly pyramidal type of great beauty. Gives a massive effect. Parent tree unbelievably uniform in shape.

1¼ to 1½ in.	11.20	8.60	7.50
1½ to 1¾ in.	13.80	10.60	9.20
1¾ to 2 in.	18.00	13.80	12.00
2 to 2½ in.	24.00	18.40	16.00
2½ to 3 in. (30″ Ball)	50.00	40.00	

Many experts suggest balling red maples in the fall.

ARMSTRONG RED MAPLE. The narrowest of the columnar red maples.

SUGAR MAPLES love to grow in our Circleville, Ohio soil. 8 by 3 foot spacing allows roots and tops plenty of room to develop into the quality trees you see here.

ACER — Continued

THE SUGAR MAPLES

	1-4 Each	5-24 Each	25 up Each
saccharum — 65′ (Zone 3) **Sugar or Rock Maple** Long-lived, stately tree of upright-spreading habit. Brilliant fall colors.			
8 to 10 ft.	$	$ 4.60	$ 4.00
1¼ to 1½ in.	8.20	6.30	5.50
1½ to 1¾ in.	10.00	7.80	6.75
1¾ to 2 in.	12.00	9.20	8.00
2 to 2½ in.	15.75	12.10	10.50
2½ to 3 in.	20.20	15.50	13.50
2½ to 3 in. (30″ Ball)	40.50	32.50	29.00
3 to 3½ in. (33″ Ball)	51.00	41.00	35.50
3½ to 4 in. (36″ Ball)	65.00	52.00	
s. 'Monumentale' — 60′ (Zone 3) **Sentry Sugar Maple** Splendid ascending type; forms a striking slender narrow crown of dark green foliage.			
2 to 2½ in.	22.50		
2½ to 3 in.	28.60		

Worm's-eye view of the fibrous root system of Cole's transplanted SUGAR MAPLES. 2 to 2½ inch caliper, root diameter one (1) yard.

ACER — Continued

	1-4 Each	5-24 Each	25 up Each
tataricum — 15-18' (Zone 2)		**Tatarian Maple**	
Extremely hardy small tree. Dense head. Dazzling fall foliage.			
5 to 6 ft.		3.00	2.50
6 to 8 ft.		4.00	3.50
1¼ to 1½ in.	6.80	5.20	4.50

AESCULUS carnea 'brioti' — 30' (Zone 3) **Ruby Red Horsechestnut**

The finest of the red flowering Horsechestnuts. Dense rounded head. Brilliant flower clusters. Top grafted trees — three times transplanted for your success.

1½ to 1¾ in. (22" Ball)	25.00	20.00	
1¾ to 2 in. (24" Ball)	29.00	23.50	20.50
2 to 2½ in. (26" Ball)	37.00	30.00	26.50
2½ to 3 in. (30" Ball)	50.00	40.00	

hippocastanum baumanni — 50' (Zone 3) **Baumann Horsechestnut**

Stately, dense tree with large, palmately compound leaves; long, upright spikes of handsome double white flowers in May; seedless. We advise B&B.

5 to 6 ft. (16" Ball Extra)	8.50	6.50
6 to 8 ft. (18" Ball Extra)	10.50	8.00

	1-4 Each	5-24 Each	25 up Each
ARALIA elata — 20′ (Zone 3)		**Japanese Angelica-Tree**	
Exotic, unusual tree with thorny stems and compound leaves up to 2½′ long. Large, feathery spikes of white flowers are conspicuous in August. Makes a striking tropical-appearing accent for modern architecture.			
3 to 4 ft.		2.50	2.10
6 to 8 ft. Heavy clumps	12.70	9.00	
6 to 8 ft. Heavy clumps (20″ Ball)	19.00	15.00	
8 to 10 ft. Heavy clumps	16.50	12.50	
8 to 10 ft. Heavy clumps (24″ Ball)	28.00	22.50	

THE BIRCHES

BETULA alba — 35′ (Zone 2)		**European White Birch**	
Especially in the fall all Birches should be B&B. Those over 1½″ caliper, we suggest B&B spring or fall.			
6 to 8 ft. Trees		2.40	2.00
1¼ to 1½ in. Trees		4.00	3.50
1½ to 2 in. Trees	7.50	5.75	
2 to 2½ in. Trees (26″ Ball)	26.00	20.00	
2½ to 3 in. Trees (30″ Ball)	35.00	28.00	25.00
3 to 3½ in. Trees (33″ Ball)	45.00	36.00	
3 Stem Clumps			
4 to 5 ft.		3.30	2.85
5 to 6 ft.		4.10	3.50
6 to 7 ft.		5.20	4.50
7 to 8 ft.	8.20	6.30	5.50
6 to 8 ft. (18″ Ball)	14.00	10.50	9.00
8 to 10 ft. (21″ Ball)	19.50	15.00	
10 to 12 ft. Extra Heavy (33″ Ball)	65.00	51.70	
12 to 14 ft. Extra Heavy (36″ Ball)	77.00	61.50	
pendula laciniata — 30′ (Zone 2)		**Cutleaf Weeping Birch**	
Old favorite. Attractive cut foliage on pendulous branches.			
7 to 8 ft.		4.00	3.50
8 to 10 ft.	6.50	5.00	4.30
1¼ to 1½ in.	8.50	6.50	
papyrifera — 40′ (Zone 2)		**Canoe Birch**	
1¼ to 1½ in.		4.10	3.50
1½ to 2 in.	7.50	5.75	5.00
2 to 2½ in. (26″ Ball)	26.00	20.00	
2½ to 3 in. (30″ Ball)	35.00	28.00	
CERCIDIPHYLLUM japonicum — 30′ (Zone 4)		**Katsura-tree**	
Lovely, pest-free symmetrical tree; hardy and tough; highly colored spring and fall. Trees offered are medium low-branched.			
6 to 8 ft.	9.75	7.50	6.50
8 to 10 ft.	12.00	9.20	8.00
1½ to 1¾ in.	15.00	11.50	
1¾ to 2 in.	20.80	16.00	
2 to 2½ in. (26″ Ball)	39.00	31.00	
2½ to 3 in. (30″ Ball)	49.50	39.50	35.00
3 to 3½ in. (33″ Ball)	61.00	49.00	

EACH RATES in this catalog are for the accommodation of customers who place substantial orders, yet need small amounts of certain items to fill out their plantings. We do not have the facilities to handle orders calling entirely for small quantities of stock.

	1-4 Each	5-24 Each	25 up Each
CERCIS canadensis — 15' (Zone 4)		**Eastern Redbud**	
Rosy-pink flowers in April, all along the bare stems. Large, heart-shaped leaves. Vase-shaped head.			
4 to 5 ft.		1.55	
5 to 6 ft.		1.90	1.50
6 to 8 ft.		2.60	2.25
6 to 8 ft. (17" Ball)	8.50	6.50	5.50
6 to 8 ft. Extra Heavy (20" Ball)	15.00	11.50	10.00
8 to 10 ft. Extra Heavy (24" Ball)	20.50	18.00	16.00
c. alba — 12' (Zone 4)		**Whitebud**	
A new and very rare pure white form of our native redbud. Excellent foliage and form.			
3 to 4 ft. (13" Ball)		12.00	
4 to 5 ft. (15" Ball)		16.00	
c. Pink Charm — 12' (Zone 4)		**Pinkbud**	
Marvelous new variety with lovely pink flowers. No trace of purple. Very scarce.			
3 to 4 ft. (13" Ball)		12.00	
4 to 5 ft. (15" Ball)		16.00	
CORNUS florida — 20' (Zone 4)		**White Flowering Dogwood**	
Favorite small tree, for sun or shade. White flowers and red fruit in tiers. Enjoys good drainage.			
3 to 4 ft. (13" Ball)		2.90	2.50
4 to 5 ft. (14" Ball)		4.00	3.50
5 to 6 ft. (15" Ball)	8.40	6.30	5.50
6 to 8 ft. (17" Ball)	11.00	8.60	7.50
f. 'Rubra' — 20' (Zone 5)		**Pink Flowering Dogwood**	
4 to 5 ft. (14" Ball)	8.50	6.30	
6 to 7 ft. (16" Ball)	13.50	10.30	
7 to 8 ft. (18" Ball)	18.00		
mas — 20' (Zone 4)		**Cornelian Cherry Dogwood**	
Vigorous, sturdy tree or shrub, narrow and dense in outline. Yellow flowers before the leaves; edible scarlet fruit. Most useful.			
6 to 7 ft. Tree Form Heavy	6.80	5.20	
7 to 8 ft. Tree Form Heavy	9.00	7.00	

THE HAWTHORNS

We suggest that Bare-Root Hawthorns be transplanted Spring Only.

CRATAEGUS crusgalli — 20' (Zone 4)		**Cockspur Thorn**	
Lustrous, dense foliage; horizontal branching habit. Conspicuous white flowers followed by bright red fruit.			
3 to 4 ft. (14" Ball)	6.80	5.20	4.50
4 to 5 ft. (15" Ball)	9.00	6.90	6.00
intricata (coccinea) — 20' (Zone 4)		**Thicket Hawthorn**	
Shrub-like growth; oval shaped leaves; large white flowers; large red fruits in autumn.			
2 to 3 ft.	2.75	2.10	1.75
3 to 4 ft.	3.50	2.70	2.25
4 to 5 ft.	4.60	3.60	

LAVELLI HAWTHORN (right above) — One of the top-ranking small ornamental trees. Attractive flowers, glossy leaves and lasting bright fruit make this one hard to beat. **WASHINGTON HAWTHORN** (left above) — COLE's TREE FORM. Ideal type where trunk clearance may be desired for narrow streets, lawns, parks, highways and cemeteries. Half-Standards available on request.

WASHINGTON HAWTHORN (right above)—COLE'S BUSH FORM. Effectively used in clumps, mass plantings and as a screening hedge possessing 3 season beauty.
The PYRAMIDAL HAWTHORN-CRATAEGUS MONOGYNA STRICTA. (left above) A sturdy, dense, upright form.

CRATAEGUS — Continued	1-4 Each	5-24 Each	25 up Each
lavellei (carrieri) — 20-25' Zone 4) **Lavelle Hawthorn**			
Outstanding small home or street tree. Dense, healthy, rich green foliage turns bronzy red in fall. Large coral colored berries hang on all winter.			
6 to 8 ft. Bare Root		4.60	4.00
6 to 8 ft. (17" Ball)	12.00	9.20	8.00
1¼ to 1½ in. Bare Root	9.75	7.50	6.50
1¼ to 1½ in. (18" Ball)	15.00	11.50	10.00
1½ to 1¾ in. (20" Ball)	18.75	14.40	12.50
1¾ to 2 in. (22" Ball)	24.00	18.40	16.00
2 to 2½ in. (24" Ball)	32.00	24.00	21.00
macracantha succulenta — 20' (Zone 4)			
Very hardy, vigorous sort. Lustrous red fruit hanging quite late. Fine for dry, rocky ground. Neat upright tree. Good foliage.			
10 to 12 ft. Heavy (26" Ball)	32.00	25.00	
monogyna 'Pyramidal' (stricta)—20' (Zone 3) **Pyramidal Singleseed Hawthorn**			
Highly useful, narrow and dense form with upright branches.			
5 to 6 ft.		4.60	
6 to 7 ft.	8.40	6.40	5.60
6 to 7 ft. (17" Ball)	14.30	11.00	9.50
7 to 8 ft. (18" Ball)	17.00	13.00	11.00
1¼ to 1½ in. Tree Form (20" Ball)	21.00	16.00	14.00
oxyacantha — 20' (Zone 4) **English Hawthorn**			
Pink flowers in spring followed by red berries persisting into winter.			
4 to 5 ft.		2.40	2.00
5 to 6 ft.		3.30	2.75
oxyacantha 'Pauli' — 15' (Zone 4) **Paul's Double Scarlet Hawthorn**			
Small tree — highly appreciated for street and ornamental use. Covered with double, scarlet flowers in June. Plants listed are standards, twice transplanted.			
5 to 6 ft. (Spring Only)		3.50	3.00
7 to 8 ft. (17" Ball)	12.30	9.20	8.00
8 to 10 ft. 18" Ball)	15.00	11.20	9.60
1¼ to 1½ in. (20" Ball)	20.00	15.00	13.00
1½ to 1¾ in. (22" Ball)	25.00		
phaenopyrum (cordata) — 20' (Zone 4) **Washington Hawthorn**			
Dense tree with small shapely crown. White flowers; persistent small orange-red berries. Excellent foliage, scarlet in autumn. The best Hawthorn year-around.			
BUSH FORM			
3 to 4 ft.		1.80	1.50
4 to 5 ft.		2.30	2.00
5 to 6 ft. (16" Ball)	9.30	7.00	6.00
6 to 8 ft. (18" Ball)	12.50	9.30	8.00
8 to 10 ft. Spec. (20" Ball)	17.00	13.20	11.50
10 to 12 ft. Spec. (24" Ball)	25.00	19.00	16.50
TREE FORM			
6 to 8 ft.		4.30	3.75
6 to 8 ft. (16" Ball)	10.00	7.60	6.50
8 to 10 ft.	7.70	5.80	5.00
8 to 10 ft. (18" Ball)	12.40	9.30	8.00
1¼ to 1½ in. (20" Ball)	15.50	11.70	10.00
1½ to 1¾ in. (22" Ball)	18.70	14.40	12.50
1¾ to 2 in. (24" Ball)	24.00	18.40	16.00
TREE FORM SPECIMENS			
2 to 2½ in. (26" Ball)	30.50	24.50	22.00
2½ to 3 in. (30" Ball)	45.00		
3 to 3½ in. (33" Ball)	57.50	46.00	
3½ to 4 in. (36" Ball)	72.50	58.00	

CRATAEGUS — Continued	1-4 Each	5-24 Each	25 up Each
'Winter King' — 20' (Zone 4) — **Winter King Hawthorn**			
A selection and 1955 introduction of Bob Simpson, Vincennes, Indiana. The silver-barked young trees are vigorous, upright and spreading. Even young trees bear showy clusters of 3/8" orange-red fruits which persist most of the winter. Glossy rust-resistant foliage. Fewer thorns.			
1½ to 1¾ in. (22" Ball)	22.00	16.70	14.50
1¾ to 2 in. (24" Ball)	25.00	20.00	
FAGUS sylvatica asplenifolia — 35' (Zone 4) — **Fernleaf Beech**			
Slow growing. Excellent landscape item.			
10 to 12 ft. 2-2½" (26" Ball)	50.00		
2½ to 3 in. (30" Ball)	65.00		
s. riversi — 45' (Zone 4) — **Rivers Purple Beech**			
The finest of the purple foliaged beeches.			
8 to 10 ft. (22" Ball)	37.50		
10 to 12 ft. (26" Ball)	47.00		
FRAXINUS holotricha 'Moraine'R — 35' (Zone 4) — **Moraine Ash**			
Plant Patent No. 1768 (Siebenthaler)			
1 to 1¼ in. (8 to 10 ft.)	8.35	6.50	6.00
1¼ to 1½ in.	10.65	8.50	7.75
1½ to 1¾ in.	13.35	10.50	9.00
1¾ to 2 in.	16.75	13.00	11.50
2 to 2½ in.	20.75	15.50	14.00
2½ to 3 in. (30" Ball)	32.00	28.00	
3 to 3½ in. (33" Ball)	45.00	40.00	
americana — 65' (Zone 3) — **White Ash**			
Good fall coloring. Withstands moist locations.			
1½ to 1¾ in.	7.20	5.50	4.75
1¾ to 2 in.	9.00	6.90	6.00
2 to 2½ in.	12.70	9.80	8.50
pennsylvanica lanceolata — 55' (Zone 3) — **Green Ash**			
Dense, shapely tree, smaller than White Ash, but a quick grower. Fall foliage good yellow. Withstands drought. The finest Ash species for mid-America, long neglected, but deserving of its new popularity.			
6 to 8 ft.		2.50	2.00
8 to 10 ft.		3.00	2.40
1¼ to 1½ in.		3.80	3.20
1½ to 1¾ in.	6.50	5.00	4.25
1¾ to 2 in.	9.00	7.00	6.00
2 to 2½ in.	12.30	9.20	8.00
2½ to 3 in. (30" Ball)	35.00	28.00	25.00
3 to 3½ in. (33" Ball)	42.00	34.00	30.00
p. lanceolata 'Marshall Seedless Green Ash' — 50' (Zone 3)			
Handsome, shapely tree with extremely dark green, glossy foliage. Entirely free of seed, and has few insect enemies. Most outstanding.			
1 to 1¼ in.		4.30	3.75
1¼ to 1½ in.		5.20	4.50
1½ to 1¾ in.	9.70	7.50	6.50
1¾ to 2 in.	12.70	9.80	8.50
2 to 2½ in.	16.50	12.70	11.00
2½ to 3 in. (30" Ball)	42.00	33.80	30.00
3 to 3½ in. (33" Ball)	50.00		

FRAXINUS — Continued	1-4 Each	5-24 Each	25 up Each
velutina glabra 'Modesto' — 35' (Seedless) (Zone 5)			**Modesto Ash**
An outstanding shade tree. Round-headed, clean and rapid-growing, it has proven hardy and satisfactory here. Foliage is dense, a bright, glossy green and drops over a short time in the fall.			
6 to 8 ft.		3.00	2.50
1 to 1¼ in.		4.00	3.30
1¼ to 1½ in.	6.50	4.70	4.00
1½ to 1¾ in.	8.30	6.40	5.50
1¾ to 2 in.	11.20	8.60	7.50
2 to 2½ in.	15.00	11.50	10.00
2½ to 3 in. (30" Ball)	42.00	33.80	
GINKO biloba — 60' (Zone 4)			**Maidenhair Tree**
Exotic open growth; fan-shaped leaves turn brilliant yellow in fall. Completely free of insects and disease. Grows well in smoke and dust of cities.			
6 to 8 ft.		4.50	3.75
1 to 1¼ in.	7.00	5.50	4.75
1¼ to 1½ in.	9.00	7.00	6.00
1½ to 1¾ in.	12.70	9.80	
1¾ to 2 in. (24" Ball)	27.00	21.50	19.00
2 to 2½ in. (26" Ball)	34.50	27.50	24.50
2½ to 3 in. (30" Ball)	50.00		
'Autumn Gold' (Zone 4)			
New, exciting, male tree. More compact growth than the species. Brilliant golden fall foliage. Said to be the finest ginkgo ever introduced.			
6 to 8 ft.	8.75		
GLEDITSIA triacanthos inermis — 50-60' (Zone 4)			**Thornless Honeylocust**
Broad, graceful head; lovely fine compound green foliage, gives light shade. Grows rapidly and withstands adverse conditions. Cole's trees are all budded from parent plants selected for straightness, full strongly-branched heads and vigorous growth.			
8 to 10 ft.		4.10	3.50
1¼ to 1½ in.		5.20	4.50
1½ to 1¾ in.	8.30	6.40	5.50
1¾ to 2 in.	10.50	8.00	7.00
2 to 2½ in.	14.30	11.00	9.50
2½ to 3 in.	19.50	15.00	13.00
2½ to 3 in. (30" Ball)	40.00	32.00	28.50
3 to 3½ in. (33" Ball)	51.00	41.00	36.50

Unless usual planting practice, or the plants' normal habit, dictates otherwise, all Cole trees are standards. Great care is used to maintain a proper balance stem length and head height.

MARSHALL'S SEEDLESS GREEN ASH

IMPERIAL HONEYLOCUST — Plant Patent No. 1605
The ultimate in graceful spreading shade trees

AN "UNDER THE WIRE" NATURAL

IMPERIAL HONEYLOCUST — 30-35'

(Zone 4)
(Plant Patent No. 1605)

An exceptionally graceful, spreading variety that has gained top recognition as an outstanding tree. Branches, symmetrically arranged, form a much more regular and compact tree than other Honeylocusts. It grows straight and strong without staking. Branches emerge from the trunk at nearly 90° angles, assuring strong crotches. Foliage dainty and refined, of a fresh green color. Leaves are spaced closer than on the common Honeylocust and because of the dense branching, form a more dense cover.

1 YEAR WHIPS, 3 year root, transplanted

	1-9 Each	10-29 Each	30-99 Each	100-299 Each	300-up Each
3 to 4 ft.	$	$	$ 1.45	$ 1.25	$
4 to 5 ft.		1.80	1.60	1.40	1.30
5 to 6 ft.		2.05	1.85	1.65	1.55
6 to 7 ft.		2.40	2.15		

2 YEAR OR MORE TOPS, WELL BRANCHED

5 to 6 ft.		3.75	3.35	3.00	
6 to 8 ft.		4.70	4.25	3.85	3.60
1 to 1¼ in.		6.00	5.40		
1¼ to 1½ in.	9.00	7.30	6.60	6.00	5.65
1½ to 1¾ in.	11.50	9.55	8.60	7.75	7.25
1¾ to 2 in.	15.30	12.75	11.50	10.50	9.65
2 to 2½ in.	20.50	17.00	15.50	14.00	13.00
2½ to 3 in.	29.00	24.25	22.00	20.00	
2½ to 3 in. (30" Ball)	48.00	40.00	37.00	34.00	
3 to 3½ in. (33" Ball)	60.00				

COLE'S FAMOUS *HONEYLOCUST*

SUNBURST — 30-35'

(Zone 4)

Plant Patent No. 1313

The first new color in a hardy ornamental shade tree in decades. Bright golden foliage on 8 to 10 inches of branch tips, contrasts with the rich green of the balance of the tree; appears to be in bloom all summer. Broadly pyramidal head and excellent branching habit creates a beautiful symmetry unmatched by other honeylocusts.

	1-9 Each	10-29 Each	30-99 Each	100-299 Each	300-up Each
1 YEAR WHIPS, 3 year root, transplanted					
3 to 4 ft.	$	$	$ 1.55	$ 1.35	$
4 to 5 ft.		2.05	1.85	1.65	1.55
5 to 6 ft.		2.45	2.20	1.95	1.80
6 to 7 ft.		2.80	2.45	2.20	2.05
7 to 8 ft.		3.10	2.75	2.45	
1 YEAR BRANCHED, 3 year root, transplanted					
3 to 4 ft.			1.80	1.70	
4 to 5 ft.		2.55	2.25	2.00	1.85
5 to 6 ft.		2.95	2.60	2.35	2.20
6 to 7 ft.		3.45	3.10	2.75	
7 to 8 ft.		4.00	3.60		
2 YEAR OR MORE TOPS, WELL BRANCHED					
5 to 6 ft.		3.90	3.50	3.15	2.90
6 to 8 ft.		4.70	4.25	3.85	3.60
8 to 10 ft.	7.60	6.00	5.40	4.90	4.60
1¼ to 1½ in.	9.00	7.30	6.60	6.00	5.65
1½ to 1¾ in.	11.50	9.50	8.60	7.75	7.25
1¾ to 2 in.	15.30	12.75	11.50	10.50	9.65
2 to 2½ in.	20.50	17.00	15.50	14.00	
2½ to 3 in. (30" Ball)	47.00	39.00	36.00		

SKYLINE HONEYLOCUST

Plant Patent No. 1619 — The distinctive pyramidal form enhanced by its golden late fall foliage color.

SKYLINE HONEYLOCUST — 45'

(Zone 4)
(Plant Patent No. 1619)

Cole's Skyline Honeylocust is a stately and unusual variety with distinctive pyramidal form. It develops an exceptionally strong, sturdy trunk and shapely crown **without being staked or specially trimmed.**

Branches are uniformly spaced and arranged, resulting in a well-filled tree of rather formal appearance. Strong crotches result from the wide angle—60 to 90 degrees—at which the branches diverge from the trunk.

The leaves of SKYLINE are dark green and of a heavy, leathery texture. They are more closely spaced, and the leaflets are larger than the average Honeylocust produces, thereby contributing to the compact appearance of the crown.

Practically all of the flowers produced are male; but infrequently a polygamous flower has appeared in which a single floret is female. Since only a small percentage of these female florets are pollinated, seeding is of no import.

	1-9 Each	10-29 Each	30-99 Each	100-299 Each	300-up Each
1 YEAR WHIPS, 3 year root, transplanted					
3 to 4 ft.	$	$	$ 1.45	$ 1.25	$
4 to 5 ft.		1.80	1.60	1.40	1.30
5 to 6 ft.		2.05	1.85	1.65	1.55
6 to 7 ft.		2.40	2.15		
2 YEAR OR MORE TOPS, WELL BRANCHED					
6 to 8 ft.		4.70	4.25	3.85	
1 to 1¼ in.		6.00	5.40	4.90	
1¼ to 1½ in.	9.00	7.30	6.60	6.00	
1½ to 1¾ in.	11.50	9.55	8.60		
1¾ to 2 in.	15.30	12.75	11.50	10.50	9.65
2 to 2½ in.	20.50	17.00	15.50	14.00	13.00
2½ to 3 in.	29.00	24.25	22.00	20.00	
2½ to 3 in. (30" Ball)	48.00	40.00	37.00	34.00	
3 to 3½ in. (33" Ball)	60.00	50.00	46.00		

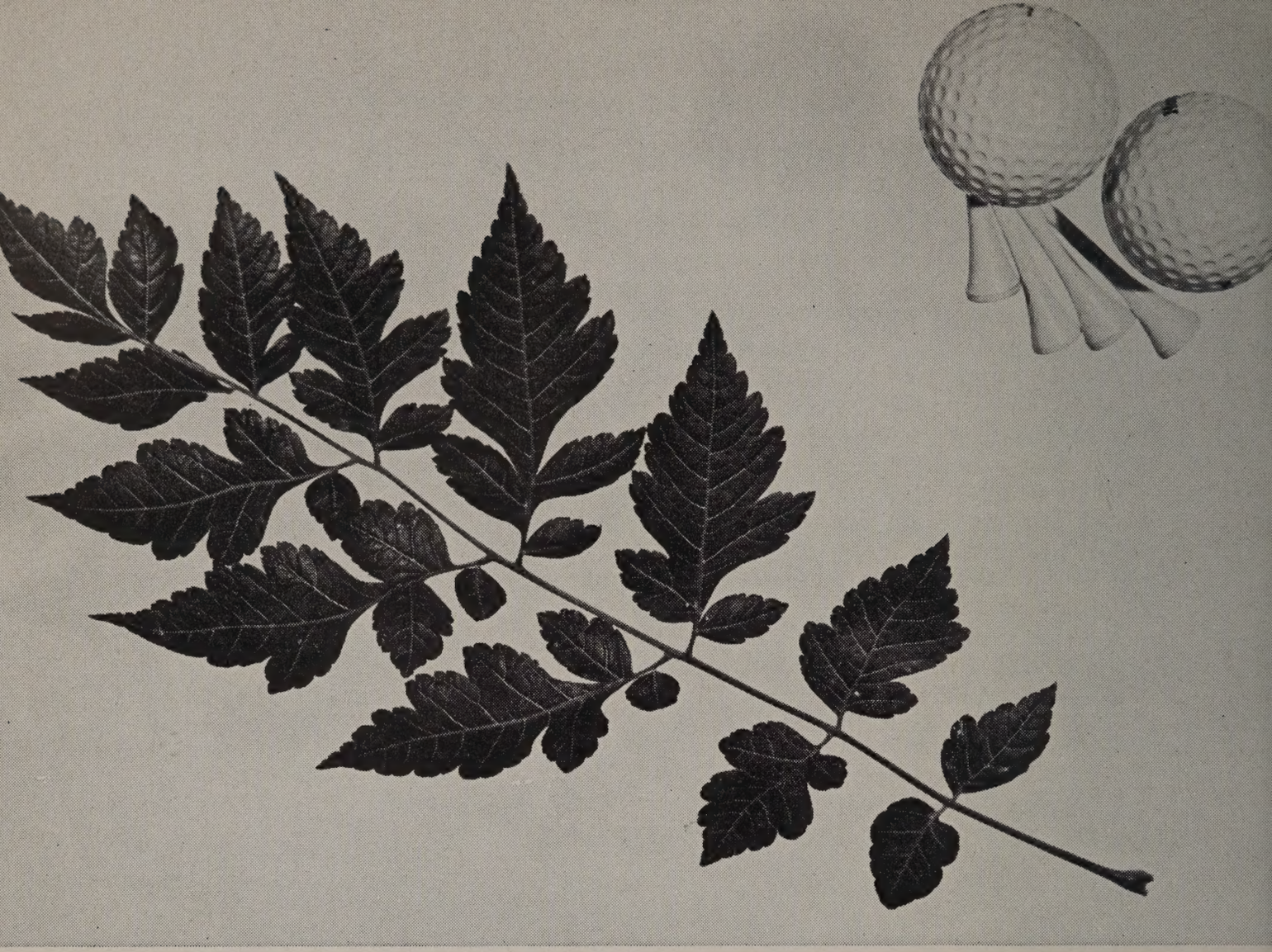
MAJESTIC HONEYLOCUST — 60-65'

(Zone 4)
Plant Patent No. 1534

A strong, graceful tree of spreading growth habit, Majestic is much more regular and compact than the ordinary Honeylocust. It is entirely thornless and grows straight without staking.

The bold, abundant foliage is extremely dark green when mature, retains its richness even in drought or wet soils. Flowers are occasionally poygamous, but seeding is practically nil.

1 YEAR WHIPS, 3 year root, transplanted				
4 to 5 ft.		1.65	1.45	
5 to 6 ft.		1.80	1.60	1.40
6 to 7 ft.		2.00	1.80	
7 to 8 ft.		2.40	2.15	
1 YEAR BRANCHED, 3 year root, transplanted				
5 to 6 ft.		2.00	1.80	
6 to 7 ft.		2.40	2.15	
2 YEAR OR MORE TOPS, WELL BRANCHED				
8 to 10 ft		4.90	4.45	
1¼ to 1½ in.	7.50	6.10	5.50	
1½ to 1¾ in.	10.20	8.50	7.70	7.00
1¾ to 2 in.	13.80	11.50	10.50	9.50
2 to 2½ in.	18.50	15.50	14.00	12.50
2½ to 3 in.	24.00	20.00	18.00	16.50
2½ to 3 in. (30" Ball)	43.00	36.00	33.00	30.00
3 to 3½ in. (33" Ball)	54.00	45.00	41.50	



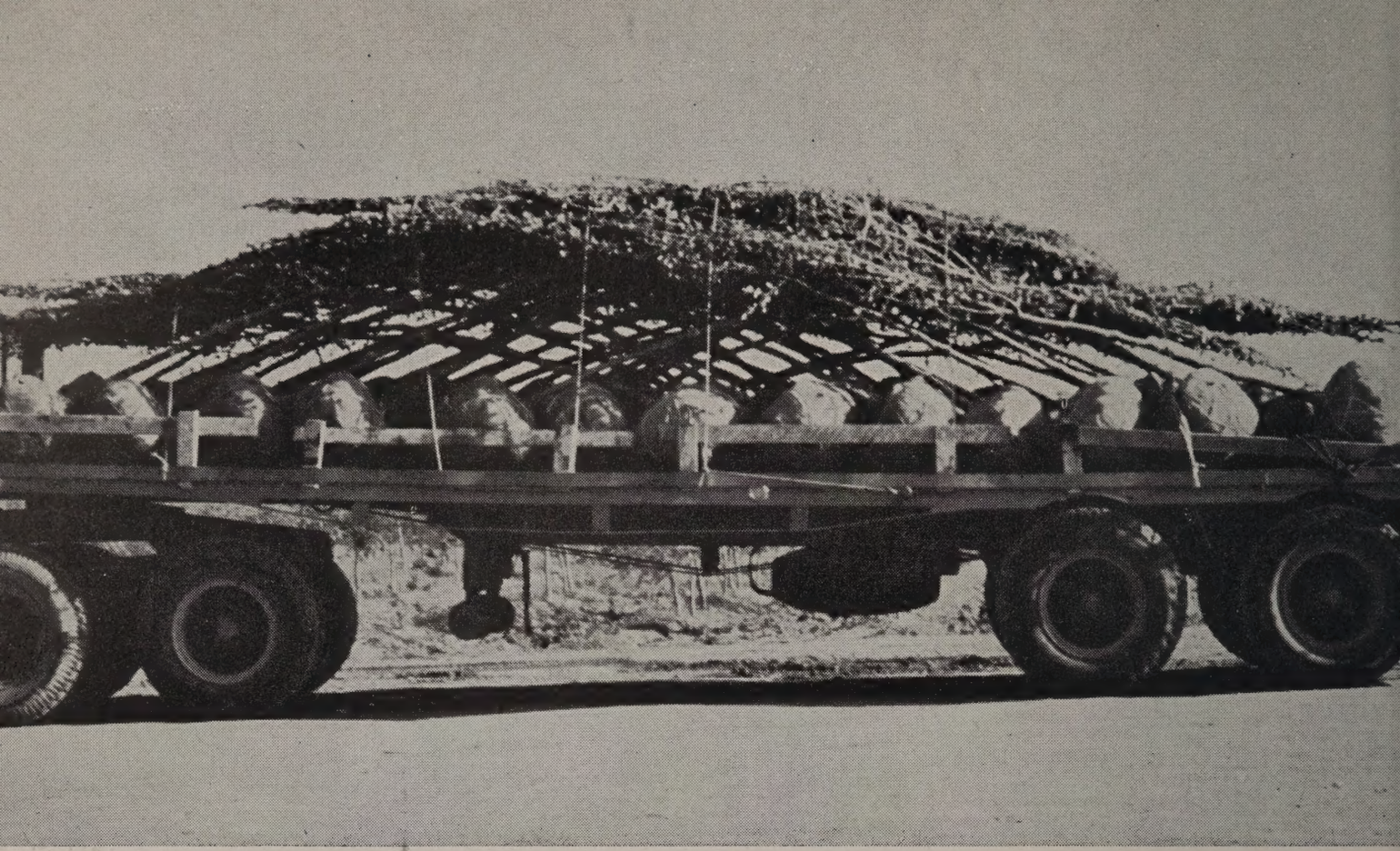
It is the **GOLDENRAIN TREE—KOELREUTERIA PANICULATA** that produces these beautiful soft-textured compound leaves.

	1-4 Each	5-24 Each	25 up Each
HALESIA tetraptera — 20′ (Zone 4)		**Carolina Silverbell**	
A rare and lovely, pyramidal to rounded clump or tree, of more than passing interest. White pendant, bell-shaped flowers create a uniquely beautiful show in May.			
4 to 5 ft.		2.40	2.00
5 to 6 ft.		3.20	
6 to 8 ft.		4.40	
1½ to 1¾ in.	12.00		
KOELREUTERIA paniculata — 25′ (Zone 5)		**Goldenrain Tree**	
Handsome flat-topped tree. Large clusters of yellow flowers in July. Thrives in cities and in many soils, withstanding drought and heat.			
4 to 5 ft.		3.00	
5 to 6 ft.		3.50	
6 to 8 ft.		4.20	3.75
8 to 10 ft.	7.50	5.75	5.00
1½ to 1¾ in.	11.20	8.60	7.50
1¾ to 2 in. (24″ Ball)	26.00	20.50	18.00
2 to 2½ in. (26″ Ball)	33.00	26.50	23.50
2½ to 3 in. (30″ Ball)	46.00		
LABURNUM vossi — 18′ (Zone 5)		**Goldenchain Tree**	
Handsome small tree covered with showy, pendant racemes of golden pea-shaped flowers in spring.			
6 to 8 ft. Spring Only		4.10	3.50

SWEET GUM — 3 years old. Cole grows them well. Our modern mechanical digging gets a maximum of roots which aids materially in transplanting.

	1-4 Each	5-24 Each	25 up Each
LIQUIDAMBAR styraciflua — 55' (Zone 4)			**Sweetgum**
An excellent, broadly pyramidal specimen tree. Foliage star-shaped, dense, outstanding multi-colored in fall.			
6 to 8 ft. (18" Ball)		4.60	4.00
1¼ to 1½ in. (20" Ball)	15.00	11.20	9.60
1½ to 1¾ in. (22" Ball)	19.00	14.50	12.50
1¾ to 2 in. (24" Ball)	27.00	21.50	
2 to 2½ in. (26" Ball)	34.50	27.50	
2½ to 3 in. (30" Ball)	45.00		
3 to 3½ in. (33" Ball)	58.00		
LIRODENDRON tulipifera — 70' (Zone 4)			**Tulip Tree**
Fast growing symmetrical tree with tall straight trunk. Tulip like, yellow flowers in late spring.			
6 to 8 ft. (17" Ball)	9.50	7.00	6.00
1 to 1¼ in. (18" Ball)	11.70	8.80	7.50
1¼ to 1½ in. (20" Ball)	15.50	11.70	10.00
1½ to 1¾ in. (22" Ball)	20.00	15.00	
MAGNOLIA soulangeana — 18' (Zone 5)			**Saucer Magnolia**
Most popular of all. Large cup-shaped blooms in May, lilac pink outside, white inside. Large handsome foliage.			
2 to 3 ft. (12" Ball)		3.70	3.15
3 to 4 ft. (14" Ball)		4.60	4.00
4 to 5 ft. (15" Ball)	7.80	6.00	
s. 'Alexandrina' — 20' (Zone 5)			**Alexander Saucer Magnolia**
Huge flowers, flushed rosy purple outside, pure white inside.			
3 to 4 ft. (14" Ball)		4.30	
5 to 6 ft. (17" Ball)	9.75	7.50	
6 to 8 ft. (18" Ball)	14.00		
8 to 9 ft. Spec. (26" Ball)	30.00		

EACH RATES in this catalog are for the accommodation of customers who place substantial orders, yet need small amounts of certain items to fill out their plantings. We do not have the facilities to handle orders calling entirely for small quantities of stock.



A trailerload of 2 to 2½ inch B&B London Planes leaving our new 800-acre Circleville, Ohio, nursery.

MAGNOLIA — Continued	1-4 Each	5-24 Each	25 up Each

stellata — 10′ (Zone 5) **Star Magnolia**

Dense, mounded habit. Foliage dark; bronzy yellow in fall. Double, white, very fragrant flowers in mid-April, coming before the leaves, a scarce and most sought after variety.

2	to	2½	ft.	(12″ Ball)		4.10	3.50
2½	to	3	ft.	(13″ Ball)	6.30	4.90	4.25
3	to	3½	ft.	(15″ Ball)	8.20	6.30	5.50
3½	to	4	ft.	(16″ Ball)	9.80	7.50	6.50
4	to	4½	ft.	(18″ Ball)	12.00	9.20	8.00
4½	to	5	ft.	(20″ Ball)	15.00	11.50	10.00
5	to	6	ft.	(22″ Ball)	19.50	15.00	

s. rubra — 8′ (Zone 5) **Pink Star Magnolia**

Similar to above but with rosy pink blossoms. Very scarce.

2½	to	3	ft.	(13″ Ball)	11.70		
3	to	3½	ft½	(15″ Ball)	15.60		

virginiana (glauca) — 20′ (Zone 5) **Sweetbay Magnolia**

Creamy flowers in summer. Waxy nearly evergreen leaves. Stands shade and likes a moist location.

4	to	5	ft.	(14″ Ball)	7.80	6.00	
5	to	6	ft.	(16″ Ball)	10.00	7.80	6.75
6	to	8	ft.	(18″ Ball)	13.50	10.50	9.00
8	to	10	ft.	(20″ Ball)	20.00		

During planting season, we arrange frequent combination bulk deliveries to Albany, Buffalo, Cleveland, Columbus, Cincinnati, Chicago, Detroit, Ft. Wayne, Grand Rapids, Indianapolis, Pittsburgh, Philadelphia, Rochester, Syracuse and Toledo areas.

MALUS

Several years ago Dr. Donald Wyman of the Arnold Arboretum wrote as follows: "One must admit that Crabapples are probably the best group of small-flowering trees for landscape planting today, hardy wherever apples are grown (and some considerably hardier)".

In these days of demand for lower, more colorful street trees, many kinds of Flowering Crabapples have proved most adequate. Starred (★) varieties are recommended as being suitable for this purpose. Proper clearance can be maintained with a minimum of pruning.

Cole has one of the country's outstanding Malus collections. All specimens have had an extra transplanting and broad spacing.

	1-4 Each	5-24 Each	25 up Each
★MALUS 'Aldenhamensis' — 12 to 15' (Zone 3)		**Aldenham Crab**	
Blooms heavily as a young plant; sometimes repeats bloom in fall. Deep vinous red flowers mostly single, some semi-double. Purplish leaves and fruit (1").			
4 to 5 ft.		1.75	1.40
5 to 6 ft.		2.10	1.75
6 to 7 ft.		2.60	
1¼ to 1½ in. (18" Ball Extra)	8.25	6.40	
1½ to 1¾ in. (20" Ball Extra)	10.50	8.00	
1¾ to 2 in. (22" Ball Extra)	13.60	10.50	
2 to 2½ in. (24" Ball Extra)	16.25		
'Almey' — 15-18' (Zone 4)		**Almey Crab**	
Large fiery crimson blossoms with white star in center. Blooms when very young. Small ¾" scarlet fruits. New leaves purplish maturing bronze green.			
1¾ to 2 in. (22" Ball Extra)	16.50	12.70	
2 to 2½ in. (24" Ball Extra)	19.50		
'Arnoldiana' — 10-12' (Zone 4)		**Arnold Crab**	
Shrubby tree as broad as high. Deep rose buds opening to pink, fading to pure white. Excellent green foliage. Fruit (½") yellow blushed reddish. More upright and more vigorous than floribunda.			
5 to 6 ft.		2.10	
6 to 7 ft.		2.60	
1 to 1¼ in. (16" Ball Extra)	9.10	7.00	
1¼ to 1½ in. (18" Ball Extra)	11.20	8.60	7.50
atrosanguinea — 12-15' (Zone 4)		**Carmine Crab**	
Mounded, dense habit, almost shrublike. Rich, deep pink to carmine non-fading flowers, small (⅓"-½") red and yellow fruit. Superb dark green, glossy foliage. A grand old variety.			
4 to 5 ft.		1.75	
5 to 6 ft.		2.10	
6 to 7 ft.		2.60	
1¼ to 1½ in. (18" Ball Extra)	11.20	8.60	7.50
1½ to 1¾ in. (20" Ball Extra)	13.50	10.40	
1¾ to 2 in. (22" Ball Extra)	16.50		
★ baccata 'Jackii' — 20' (Zone 2)		**Jackii Crab**	
Neat, compact, upright tree. Masses of fragrant white blossoms on long stems. Glossy red fruit (⅓"-½") remain attractive into the winter.			
3 to 4 ft.		1.85	
1 to 1¼ in. (16" Ball Extra)	11.70	9.00	7.80
1¼ to 1½ in. (18" Ball Extra)	14.30		
2½ to 3 in. (30" Ball)	55.00		

MALUS — Continued	1-4 Each	5-24 Each	25 up Each

'Dorothea' — 8-10' (Zone 4) **Dorothea Crab**

Flowers at a young age. Lovely 1½" semi-double or double rose-pink flowers. Small (½-1") bright yellow fruit. Green foliage. Spreading, rounding habit.

1 to 1¼ in. (16" Ball Extra)	11.70	9.00	

floribunda — 12-15' (True Type) (Zone 4) **Japanese Flowering Crab**

Graceful arching-spreading. Buds deep pink, flowers pinkish-white. Fruit small (½") reddish-yellow. Extremely floriferous and dependable. Long a favorite.

5 to 6 ft.		2.10	
1 to 1¼ in. (16" Ball Extra)	9.10	7.00	
1¼ to 1½ in. (18" Ball Extra)	11.20	8.60	7.50
1½ to 1¾ in. (20" Ball Extra)	13.50	10.40	

PLAIN TALK ABOUT FLOWERING CRABAPPLES

The wonderful ornamental flowering Crabapples are composed of a number of distinct varieties each of which tends to develop into a mature specimen of characteristic height, width and form. To a lesser degree these variety differences in vigor, structure and shape begin to show up in young nursery grown trees, and increasingly so for each additional year of growth.

Therefore, **for trees of the same age,** it is unreasonable to expect that a plant such as the shrub-like spreading Sargent Crab (mature height less than 10 feet) will have a height and caliper equal to that of the unusually vigorous Hopa Crab (mature height 15-20 feet). Most of the varieties grown today are intermediate in vigor, stem straightness and size between these two varieties.

Many kinds naturally tend to develop several stems from the lower portion of the plant and many landscape architects prefer the natural form of such varieties. A much smaller group develop a central leader and can be trained into straight, single trunk specimens whose lower branches have been gradually removed. They are especially suitable for planting in the many locations requiring trees of this type (streets, parks, golf courses and cemeteries).

In many instances caliper may be a more reliable index of the "heft" and value of a tree than its height. Cole's flowering Crabapples are adequately spaced to develop just such trees. (See the center-spread picture).

★ **'Hopa' — 20' (Zone 4)** **'Hopa' Crab**

Upright growth habit; good bronze-green foliage. Large fragrant, deep pink flowers. Orange-red fruit (¾-1") good for jelly. A vigorous grower.

5 to 6 ft.		1.80	1.55
1 to 1¼ in. (16" Ball Extra)	6.50	5.00	4.25
1¼ to 1½ in. (18" Ball Extra)	7.50	5.75	5.00
1½ to 1¾ in. (20" Ball Extra)	9.75	7.50	
1¾ to 2 in. (22" Ball Extra)	12.00	9.20	8.00
2 to 2½ in. (24" Ball Extra)	15.00	11.50	
2½ to 3 in. (28" Ball)	37.00	30.50	
3 to 3½ in. (30" Ball)	50.00	41.00	

'Jay Darling' **'Jay Darling' Crab**

Considered the same as the **'Eleyi'** Crab.

★ **Starred varieties recommended for street tree purpose.**

MALUS — Continued	1-4 Each	5-24 Each	25 up Each

'Katherine' — 10-15' (Zone 4) **Katherine Crab**

Large double blush pink to white flowers smother slender branches. Dark green foliage. Small (⅓") greenish yellow fruit. Heavy bloomer as a young plant. Already a favorite.

4 to 5 ft.		2.20	

'Klehm' — 15' (Zone 4) **Klehm's Double Flowering Crab**

Fragrant double-pink blooms; symmetrical upright-rounded habit. Said to be a type of M. coronaria, the Sweet Crab.

1 to 1¼ in. (16" Ball Extra)	9.10		
1¼ to 1½ in. (18" Ball Extra)	11.20	8.50	
1½ to 1¾ in. (20" Ball Extra)	13.50	10.40	

'Mary Potter' — 15' (Zone 4) **Mary Potter Crab**

Large clusters of pink buds open to single 1" white flowers. Small red fruit. Green foliage. Arnold Arboretum introduction.

4 to 5 ft.		2.20	1.85
5 to 6 ft.		2.60	

M.R. No. 454 — 15' (Zone 4)

Strong spreading habit. Pink to white flowers. Medium red fruit.

1½ to 1¾ in. spec. (20" Ball Extra)	10.50	8.00	
1¾ to 2 in. spec. (22" Ball Extra)	13.60	10.50	
2 to 2½ in. spec. (24" Ball Extra)	16.25	12.50	
2½ to 3 in. (30" Ball)	40.00		

'Patricia' — 20' (Zone 4) **'Patricia' Crab**

Hopa seedling — larger, deeper tinted bloom. Sturdy, compact round-headed tree. Choice dual purpose crab with dark-red fruits (1¾"). Leaves darker green or bronze-green.

5 to 6 ft.		2.35	2.00
6 to 7 ft.		2.75	

★ **'Prince Georges' — 12-15' (Zone 4)** **'Prince Georges' Crab**

Most double-flowered of all crabs. Large, fragrant, rose-pink flowers, sometimes fifty-petaled. Dense green leaves. Tree upright; broad rounded head. No fruit.

3 to 4 ft.		1.90	1.55
4 to 5 ft.		2.20	
1 to 1¼ in. (16" Ball Extra)	11.70	9.00	
1¾ to 2 in. (22" Ball Extra)	18.00	15.50	
2 to 2½ in. (24" Ball Extra)	22.00		

'Purple Wave' — 10-15' (Zone 4) **Purple Wave Crab**

Leaves darkest yet brightest of purple-leaf crabs. Broad headed with attractive tiered branching habit. Large, rich red single flower. Medium size (½") purple red fruit.

3 to 4 ft.		1.90	1.55
4 to 5 ft.		2.20	

★ **purpurea 'Eleyi' — 20' (Zone 4)** **Eleyi Purple Crab**

Mature trees are beautifully round-crowned. Masses of purplish-red blossoms. Bright purplish-red fruit (about 1"). Purplish green foliage. Strong upright growth.

1 to 1¼ in. (16" Ball Extra)	7.40	5.50	
1¼ to 1½ in. (18" Ball Extra)	8.25	6.40	5.50
1½ to 1¾ in. (20" Ball Extra)	10.50		
1¾ to 2 in. (22" Ball Extra)	13.60	10.50	
2 to 2½ in. (24" Ball Extra)	16.25	12.50	

★ **Starred varieties recommended for street tree purpose.**

MALUS — Continued	1-4 Each	5-24 Each	25 up Each
p. 'Lemoinei' — 18' (Zone 3)			**'Lemoinei' Crab**
Bright purplish red flowers, large and non-fading. Fruits (½") purplish-red. Foliage dense, dark green to purplish green.			
1 to 1¼ in. (16" Ball Extra)	9.10	7.00	6.10
1¼ to 1½ in. (18" Ball Extra)	11.20	8.60	
★ **'Radiant' — 18' (Zone 3)**			**'Radiant' Crab**
Hardy University of Minnesota introduction. Deep red buds open deep pink. Small (½") bright red fruits persist into winter. Early foliage reddish, mature leaves green. Highly resistant to scab, rust and fire blight.			
1 to 1¼ in. (16" Ball Extra)	9.10	7.00	
1¼ to 1½ in. (18" Ball Extra)	11.20	8.60	7.50
1½ to 1¾ in. (20" Ball Extra)	11.50	10.40	9.00
'Red Jade' — 10' (Zone 4)			**'Red Jade' Crab**
Plant Patent No. 1497			
Introduction of the Brooklyn Botanic Garden. Dependable weeping variety. Best as a specimen. Masses of small white flowers. Bright red fruit (½") long after leaf drop.			
5 to 6 ft., Heavy (17" Ball Extra)	9.75	7.50	
sargentii — 6-8' (Zone 5)			**Sargent Crab**
Dwarf spreading variety. Clusters of pure white flowers followed by masses of small (⅓") dark red fruits. Green foliage.			
3 to 4 ft.		2.30	2.00
4 to 5 ft.		2.90	2.50
4 to 5 ft. spec. (17" Ball Extra)	6.00		
5 to 6 ft. spec. (18" Ball Extra)	7.15		
1½ to 2 in. spec. (22" Ball Extra)	15.60	12.00	
scheideckeri — 15' (Zone 4)			**Scheidecker Crab**
Small dense tree. Large, double, pale pink flowers; fruit (½-¾") yellow to orange. Habit upright, vase shaped.			
1¼ to 1½ in. (18" Ball Extra)	11.20		
1½ to 1¾ in. (20" Ball Extra)	13.50	10.40	
1¾ to 2 in. spec. (22" Ball Extra)	16.50		
2 to 2½ in. spec. (24" Ball Extra)	19.50		
★ **'Strathmore' — 20' (Zone 4)**			**'Strathmore' Crab**
Young tree narrow pyramid. Leaves reddish all summer; strikingly red in autumn. Flowers darker than Hopa, fade less. Fruit purplish red (¾").			
3 to 4 ft.		1.75	
4 to 5 ft.		2.00	
1 to 1¼ in. (16" Ball Extra)	9.10	7.00	6.10
1¼ to 1½ in. (18" Ball Extra)	11.20	8.60	7.50
1½ to 1¾ in. (20" Ball Extra)	13.50	9.00	
★ **Tschonoski — 15-18' (Zone 5)**			**Tschonoski Crab**
A superb ornamental noted for its foliage and form. Thick heart-shaped leaves on young shoots, grayish-white becoming gray when mature. Excels all crabs in fall color—a mixture of "purple, orange, bronze, yellow and crimson". Densely branched, narrowly pyramidal in form. White flowers and brownish-yellow fruit (1-1½") not particularly showy.			
4 to 5 ft.		2.20	
5 to 6 ft.		2.60	2.25

ALL CALIPER CRABS ARE FROM SPACED BLOCKS HAVING HAD EXTRA TRANSPLANTINGS.

MALUS — Continued	1-4 Each	5-24 Each	25 up Each
★ **'Wabiskaw' — 15-18' (Zone 4)** — **Wabiskaw Crab**			
Deep purplish-red flowers. Excellent bronze-green foliage. Fruits carmine-red (1¼" wide). Form upright while young maturing to a broad vase shape.			
1 to 1¼ in. (16" Ball Extra)	7.40	5.50	
1¼ to 1½ in. spec. 7-8' (18" Ball Extra)	8.25	6.40	
1½ to 1¾ in. spec. 7-8' (20" Ball Extra)	10.50	8.00	7.00
1¾ to 2 in. spec. 7-8' (22" Ball Extra)	13.60	10.50	9.00
2 to 2½ in. spec. 7-8' (24" Ball Extra)	16.25	12.50	10.85
★ **zumi calocarpa — 15' (Zone 4)** — **Redbud Crab**			
Graceful pink buds opening pure white. Quite fragrant. Dense upright growth. Lush, dark green leaves. Red fruits persist and furnish winter food for the birds.			
4 to 5 ft.		2.20	
5 to 6 ft.		2.60	
1 to 1¼ in. (16" Ball Extra)	11.70	9.00	
METASEQUOIA glyptostroboides — 70' (?) (Zone 5) — **Dawn Redwood**			
Fascinating newly discovered "living fossil" conifer from Western China. Pyramidal, very rapid growth. Needles deciduous, feathery, entirely pest free. Cole's are proud to have been the first to offer specimen material of this beautiful discovery.			
4 to 5 ft. (15" Ball)	8.70	6.50	
5 to 6 ft. (16" Ball)	10.50	8.00	
6 to 7 ft. (18" Ball)	13.00	10.00	
7 to 8 ft. (20" Ball)	16.50	12.60	11.00
8 to 10 ft. (22" Ball)	24.00	18.40	16.00
10 to 12 ft. (26" Ball)	33.00	25.50	22.00
OSTRYA virginiana — 40' (Zone 4) — **American Hophornbeam**			
Slender, spreading branches with beech-like foliage, clear yellow in autumn. Hop-like fruits. Stands dry locations.			
6 to 8 ft.	6.80	5.20	4.50
1¼ to 1½ in.	9.70	7.50	6.50
1½ to 1¾ in. (22" Ball Extra)	12.70	9.80	
1¾ to 2 in. (24" Ball Extra)	16.00	12.50	
OXYDENDRUM arboreum — 30' (Zone 4) — **Sourwood**			
Glossy, leathery foliage. White flowers in August. Brilliant autumn coloring.			
4 to 5 ft. Heavy (16" Ball)	9.00	6.90	6.00
5 to 6 ft. Heavy (17" Ball)	11.20	8.60	7.50

See Inside Back Cover For Balling Costs

★ **Starred varieties recommended for street tree purpose.**

COLE'S STREET TREE TYPE FLOWERING CRABAPPLES. A block at our Circleville, Ohio nursery showing several varieties of flowering Crabs, spaced and expertly formed for planting on streets, and in parks, cemeteries and golf courses. These straight sturdy trees are properly limbed.

	1-4 Each	5-24 Each	25 up Each

PHELLODENDRON amurense — 40' (Zone 3) — **Amur Cork Tree**

Vigorous, strong tree of broad habit. Massive picturesque branches and interesting corky bark. Leaves drop all at one time in autumn.

COLE'S BUDDED SELECT STRAIN

Seedless — More Uniform Growth — More Upright

1½	to	2	in.	$12.00	$ 9.20	$ 8.00
2	to	2½	in.	15.00	11.50	10.00
2½	to	3	in.	22.50	17.25	15.00
3	to	4	in. (33" Ball)	58.00	46.50	41.50

ORDINARY TYPE TRANSPLANTED

6	to	8	ft.		3.50	3.00
1½	to	2	in.	8.60	6.60	5.75
2	to	2½	in.	12.00	9.20	8.00
2½	to	3	in.	16.50	12.70	11.00
3	to	4	in. (33" Ball)	51.00	40.50	36.00
4	to	5	in. (40" Ball)	77.00	61.50	

PLATANUS acerifolia — 50' (Zone 5) — **London Plane Tree**

One of today's most popular trees for lawn, street and park planting. Grows rapidly and will stand smoke and abuse of the city. Broad, regular formed head of dense handsome foliage, bright green and healthy. Cole's cutting-grown strain has been the leader for many years.

6	to	8	ft.		3.20	2.70
1	to	1¼	in.		4.30	3.75
1¼	to	1½	in.	8.00	6.20	5.40
1½	to	1¾	in.	10.50	8.10	7.00
1¾	to	2	in.	13.50	10.40	9.00
2	to	2½	in.	17.00	13.20	11.50
2½	to	3	in.	22.00	16.70	14.50
2½	to	3	in. (30" Ball)	42.00	33.75	30.00
3	to	3½	in. (33" Ball)	55.00	44.00	39.00

PLATANUS — Continued

	1-4 Each	5-24 Each	25 up Each

occidentalis — 100' (Zone 4) — **American Planetree (Sycamore)**

Tall and straight with whitish bark. Useful in hot, dry areas and near the seashore.

1¼	to	1½	in.		4.60	4.00
1½	to	1¾	in.	8.20	6.30	5.50
1¾	to	2	in.	10.00	7.60	

POPULUS alba 'Bolleana' — 50' (Zone 3) — **Bolleana Poplar**

Hardy, long-lived type of tall columnar form. Foliage green above, silvery white beneath, deeply lobed. Withstands seaside planting.

5	to	6	ft. Fine Transplanted Trees	2.60	
6	to	8	ft. Fine Transplanted Trees	3.20	2.80
8	to	10	ft. Fine Transplanted Trees	4.20	

nigra italica 'Theves' — 50-60' (Zone 2) — **Theve Lombardy Poplar**

Fast growing; spire-like. Longer lived and more disease free than Lombardy.

8	to	10	ft. Transplants - spaced	2.50	2.00
1¼	to	1½	in. Transplants - spaced	3.00	2.50
1½	to	2	in. Transplants - spaced	4.00	3.25
2	to	2½	in. Transplants - spaced	6.00	

simoni fastigiata — 40' (Zone 2) — **Pyramidal Simon Poplar**

Newer type, hardy and longer-lived, pyramidal habit. Dark green, glossy pear-shaped leaves. The finest Poplar for hedge, screen and windbreak.

6	to	8	ft. Transplants	2.75	2.25
8	to	10	ft. Transplants	3.50	
1¼	to	1½	in. Transplants	4.00	

We do not suggest planting poplars in fall

PHELLODENDRON AMURENSE — AMUR CORK TREE. 2 year buds.
A fine example of Cole's New Select Budded Strain.

	1-4 Each	5-24 Each	25 up Each
PRUNUS cistena — 8-10' (Zone 3)		**Purple Sandcherry**	
Shrubby tree with rich purple-red foliage. Very hardy.			
4 to 5 ft.		1.70	
5 to 6 ft.		2.10	1.75
6 to 7 ft.		2.60	2.25
1¼ to 1½ in. (20" Ball)	16.00	12.20	10.50
'Hollywood' — 15' (Zone 5)		**Hollywood Purple Plum**	
Unique. Foliage opens green but soon turns a deep purple.			
8 to 10 ft. (20" Ball Extra)	7.50	5.75	5.00
1½ to 2 in. (22" Ball)	18.50	14.00	
Newport — 20' (Zone 3)		**Newport Purple Plum**	
A very hardy and attractive variety.			
5 to 6 ft.		2.10	1.75
6 to 7 ft.		2.60	2.25
1¼ to 1½ in. (20" Ball)	16.00	12.20	10.50

Most varieties of Prunus are best planted in the Spring.
For fall planting we suggest "B&B"

LONDON PLANES — Long a Cole specialty.
Grown from our own cuttings.

PRUNUS — Continued	1-4 Each	5-24 Each	25 up Each
c. 'Thundercloud' — 20' (Zone 4)		**Thundercloud Purple Plum**	
Dense tree; foliage deep solid purple all season. Rosy-pink flowers as leaves unfold. Has proven best of the purple-leaved plums for this area.			
5 to 6 ft.		2.10	1.75
6 to 7 ft.		2.60	
6 to 8 ft. spec. (18" Ball)	13.50	10.50	9.00
8 to 10 ft. spec. (22" Ball)	20.00	15.50	13.50
'Hally Jolivette' — 8' (Zone 4)		**New Pink Flowering Cherry**	
A lovely, dense, bushy, little tree. Covered with pink buds and double white flowers nearly all of May. Refined foliage.			
4 to 5 ft.		3.50	
5 to 6 ft.	6.00	4.40	
6 to 7 ft.	7.00	5.50	
'Kwanzan' — 25' (Zone 5)		**Double Flowering Cherry**	
Most satisfactory variety in our climate. Double, deep rich pink flowers. Kwanzan and yedoensis make up the famous display at the Washington Tidal Basin.			
5 to 6 ft. (Spring Only)		3.50	3.00
6 to 8 ft.	6.00	4.60	4.00
No. 1 Heads, 6 ft. stems (Spring Only)	7.50	5.75	5.00
1¼ to 1½ in., 8 to 10 ft. (20" Ball)	16.00	12.20	10.50
1½ to 1¾ in. (22" Ball)	20.50	16.00	

Unless usual planting practice, or the plants' normal habit, dictates otherwise, all Cole trees are standards. Great care is used to maintain a proper balance stem length and head height.

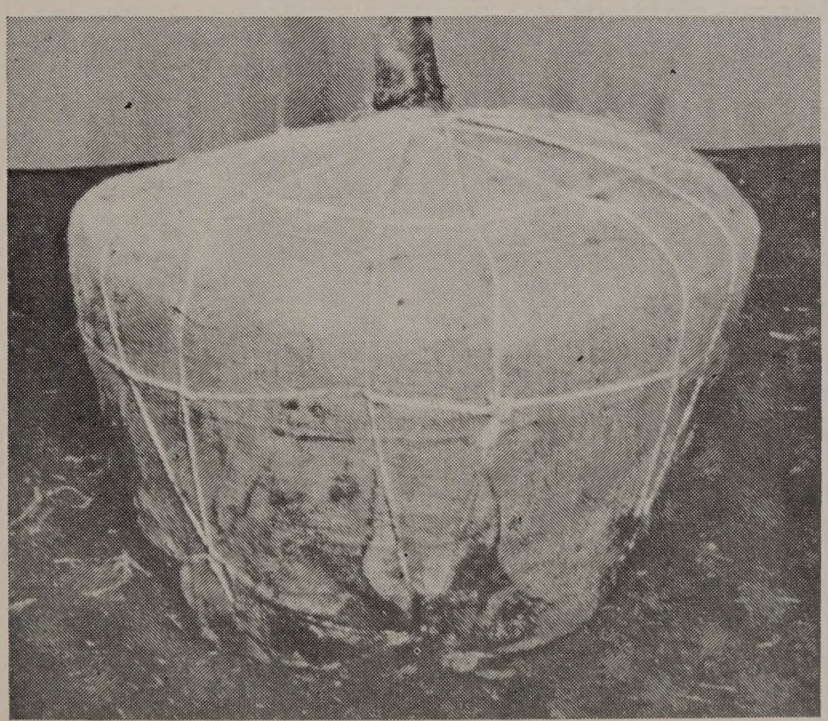
PRUNUS — Continued	1-4 Each	5-24 Each	25 up Each
'Sargent' — 40' (Zone 3) **Sargent Flowering Cherry**			
Very hardy, handsome tree liberally clothed in early Spring with lovely, single pink flowers. Bronze green foliage becomes showy in the Fall.			
8 to 10 ft.	11.50	8.70	7.50
8 to 10 ft. (20" Ball)	19.00	14.50	12.50
1½ to 1¾ in. (22" Ball)	23.00	17.80	16.00
serrulata — 30' (Zone 5) **Oriental Cherry**			
Single to double flowers turning from white to light pink in mid-May. Very showy blue fruits.			
4 to 5 ft.		2.50	
5 to 6 ft.		3.00	
subhirtella pendula — 12-15' (Zone 4) **Weeping Flowering Cherry**			
These are grown on their own stems. If allowed to branch low they give a fountain-like effect. Lovely pink flowers.			
4 to 5 ft.		2.50	2.10
5 to 6 ft. own stems		2.90	
yedoensis — 40' (Zone 5) **Yoshino Cherry**			
Fragrant, single, blush pink to pink blossoms. This variety and Kwanzan make up the famous display at the Washington, D.C. Tidal Basin. Very hardy.			
4 to 5 ft.		2.50	2.00
5 to 6 ft.		3.00	2.50
6 to 8 ft., 1¼ to 1½ in.		7.50	6.50
8 to 10 ft., 1½ to 1¾ in. (22" Ball)	22.00	17.00	
PYRUS calleryana — 25' (Zone 5) **Callery Pear**			
Attractive symmetrical tree with dense glossy green foliage; plum color in fall. Entirely covered with white flowers followed by tiny fruits.			
5 to 6 ft.		3.00	
6 to 8 ft.		3.75	3.25
8 to 10 ft.	7.00	5.50	4.75
QUERCUS borealis (rubra) — 75' (Zone 4) **Northern Red Oak**			
Valued native with broad round head and remarkable autumn leaf color. Excellent for shade in park, suburban and rural plantings.			
1¼ to 1½ in. (20" Ball Extra)	9.00	6.90	
1½ to 1¾ in. (22" Ball Extra)	11.20	8.75	
1¾ to 2 in. (24" Ball Extra)	15.00	11.50	
2 to 2½ in. (26" Ball Extra)	20.20	15.50	13.50
2 to 2½ in. (26" Ball)	34.00	27.00	24.00
2½ to 3 in. (30" Ball)	46.00	37.00	33.00
3 to 3½ in. (33" Ball)	59.00	47.00	42.00
3½ to 4 in. (36" Ball)	76.00	61.00	
coccinea — 60' (Zone 4) **Scarlet Oak**			
Broad pyramidal shape. Rather slow growth. Magnificent fall color.			
1¼ to 1½ in. (20" Ball)	17.50	13.50	
1½ to 1¾ in. (22" Ball)	21.00	17.00	15.00
1¾ to 2 in. (24" Ball)	27.50	22.00	19.50
2 to 2½ in. (26" Ball)	36.00	29.00	26.00
2½ to 3 in. (30" Ball)	49.00	39.50	35.00
3 to 3½ in. (33" Ball)	65.00	52.00	
imbricaria — 50' (Zone 5) **Shingle Oak**			
Handsome compact tree with broadly round head. Oblong leaves retaining glossy light green color into late Fall.			
1¼ to 1½ in. (20" Ball Extra)	12.00	9.20	8.00
1½ to 1¾ in. (22" Ball Extra)	15.00	11.50	

QUERCUS — Continued	1-4 Each	5-24 Each	25 up Each
palustris — 70′ (Zone 4) — **Pin Oak**			
Compact, broadly pyramidal head. One of the quickest growing oaks, even in wet places, and is easily moved.			
6 to 8 ft.		3.70	3.20
8 to 10 ft.		4.60	4.00
1¼ to 1½ in.	8.20	6.30	5.50
1½ to 1¾ in.	10.50	8.00	7.00
1¾ to 2 in.	14.30	11.00	9.60
2 to 2½ in.	18.20	14.00	12.20
2½ to 3 in. (30″ Ball)	44.00	35.00	
3 to 3½ in. (33″ Ball)	54.00	43.50	38.50
3½ to 4 in. (36″ Ball)	68.00	55.00	
4 to 4½ in. (40″ Ball)	84.00	67.50	60.00
4½ to 5 in. (44″ Ball)	100.00	80.00	71.00
5 to 5½ in. (50″ Ball)	120.00	97.00	
SOPHORA japonica — 40′ (Zone 4) — **Japanese Pagoda Tree**			
Highly regarded, yet rather rare tree, for street and lawn use. Bears large clusters of white flowers in late summer.			
4 to 5 ft.		3.75	3.25
5 to 6 ft.		4.60	4.00
6 to 8 ft.	8.25	6.30	5.50
8 to 10 ft. (20″ Ball)	17.00	13.50	
1½ to 2 in. (24″ Ball)	23.00		
SORBUS alnifolia — 20′ (Zone 4) — **Korean Mountain Ash**			
A highly desirable kind with dense rounded head and attractive dusty green entire leaves.			
6 to 7 ft.	11.20	8.65	
7 to 8 ft.	13.80	10.60	9.20
8 to 10 ft.	16.40	12.60	11.00
1½ to 1¾ in.	21.00	16.00	14.00
aria lutescens (Zone 4) — **Whitebeam Mountain Ash**			
Dense rounded tree. Foliage dark green, silvery beneath; reddish in fall. Scarlet berries. Stands dry location.			
6 to 7 ft.	9.30	7.25	
7 to 8 ft.	11.00		
aucuparia — 30′ (Zone 2) — **European Mountain Ash**			
Small tree. Compact head; clean, deep green foliage. Fruits heavily with bunches of bright orange-red berries in summer and fall.			
6 to 8 ft.		2.90	2.50
8 to 10 ft.		4.00	3.50
1¼ to 1½ in.		5.20	4.50
1½ to 1¾ in.	8.20	6.30	5.50
1¾ to 2 in.	10.50	8.00	
aucuparia Cole's Columnar (Zone 2) — **Columnar European Mountain Ash**			
Selected for its narrow, columnar habit and uniform bright fruit color.			
6 to 8 ft.		5.00	
8 to 10 ft.	7.80	6.00	
1¼ to 1½ in.	10.40	8.00	
1½ to 1¾ in.	13.00	10.00	
1¾ to 2 in.	15.50	12.00	
2 to 2½ in.	19.50		
a. asplenifolia — 25′ (Zone 2) — **Fernleaf Mountain Ash**			
Delicate fine cut foliage. Excellent form. Vigorous compact growth.			
6 to 8 ft.	6.50	5.00	4.30
1¾ to 2 in.	14.25		
2 to 2½ in.	18.20	14.00	
2½ to 3 in. (30″ Ball)	44.00	35.00	
quercifolia — 25′ (Zone 4) — **Oakleaf Mountain Ash**			
Deep green oak-like foliage. Good compact form.			
2 to 2½ in.	18.20		
2½ to 3 in. (30″ Ball)	44.00		

	1-4 Each	5-24 Each	25 up Each
TILIA americana — 70′ (Zone 2)		**American Linden**	
Rapid growth; large open head; fragrant yellow flowers.			
8 to 10 ft.		4.20	3.50
1½ to 2 in.	10.00	7.70	
2 to 2½ in.	14.30	11.00	
Am. fastigiata — 60′ (Zone 2)		**Pyramidal American Linden**	
6 to 8 ft.		4.00	3.50
1¼ to 1½ in.	8.20	6.30	5.50
2½ to 3 in. (30″ Ball)	47.00	38.00	
cordata — 45′ (Zone 3)		**Little-leaf Linden**	
Dense pyramidal form, with compact, glossy foliage, doing well under city conditions. Unusually fragrant flowers in early July. A fine street or home tree.			
1 to 1¼ in.		3.80	3.25
1¼ to 1½ in.	6.80	5.20	4.50
1½ to 1¾ in.	9.00	6.90	6.00
1¾ to 2 in.	12.00	9.20	8.00
2 to 2½ in.	15.00	11.50	10.00
2½ to 3 in. (30″ Ball)	39.50	31.50	28.00
3 to 3½ in. (33″ Ball)	51.00	41.00	
euchlora — 40′ (Zone 4)		**Crimean Linden**	
A real gem, but rare in this country. Graceful, slightly pendulous head of glossy, bright green foliage. Bears very fragrant flowers in July.			
1 to 1¼ in.	7.80	6.00	5.20
1¼ to 1½ in.	10.50	8.00	7.00
1½ to 1¾ in.	13.50	10.40	
1¾ to 2 in.	17.50	13.50	
2 to 2½ in.	20.80	16.00	
tomentosa — 55′ (Zone 4)		**Silver Linden**	
Compact, dense pyramid with leaves green above and silver below. Exceedingly lovely and still quite rare.			
1¼ to 1½ in.	8.25	6.35	
1½ to 1¾ in.	10.50	8.05	
1¾ to 2 in.	13.00		
2 to 2½ in.	16.00		
2½ to 3 in. (30″ Ball)	42.50	34.00	30.00
3 to 3½ in. (33″ Ball)	55.00	44.50	39.50
3½ to 4 in. (36″ Ball)	75.00		
ULMUS carpinifolia var. 'Christine Buisman' — 60′ (Zone 4)			
Recommended by the U.S.D.A. as resistant to both Dutch Elm disease and phloem necrosis. Bears glossy dark foliage on a dense, broadly pyramidal tree. A highly desirable, handsome plant.			
1 to 1¼ in.		4.10	3.50
1¼ to 1½ in.	6.80	5.20	4.50
1½ to 1¾ in.	9.00	6.90	6.00
1¾ to 2 in.	12.75	9.80	8.50
2 to 2½ in.	18.00	13.00	11.00
2½ to 3 in. (30″ Ball)	42.50	34.00	
3 to 3½ in. (33″ Ball)	54.00	43.00	38.50
3½ to 4 in. 36″ Ball)	70.00	56.00	50.00
4 to 4½ in. (40″ Ball)	85.00	68.00	

SEE INSIDE BACK COVER FOR BALLING COSTS

ULMUS — Continued	1-4 Each	5-24 Each	25 up Each
parvifolia — 25-30′ (Zone 5)			**True Chinese Elm**
One of the finest small trees. Hardy, disease resistant. Excellent round-oval form. Fine glossy, evergreen appearing, persistent foliage.			
6 to 8 ft.		5.20	4.50
1¼ to 1½ in.	9.00	6.90	6.00
1½ to 1¾ in.	11.30	8.70	7.50
1¾ to 2 in.	13.50	10.30	9.00
2 to 2½ in.	16.50	12.70	11.00
2½ to 3 in. (30″ Ball)	42.50	34.00	30.00
3 to 3½ in. (33″ Ball)	54.00	43.00	38.00
pumila — 50′ (Zone 4)			**Siberian Elm**
Very rapid grower, withstanding drought and city conditions. Round, symmetrical head; small attractive foliage.			
6 to 8 ft.		2.25	1.75
1 to 1¼ in.		2.75	2.25
1¼ to 1½ in.		3.40	2.75
1½ to 1¾ in.	6.50	4.50	3.75
ZELKOVA serrata — 60′ (Zone 5)			**Japanese Zelkova (Keaki)**
Long neglected, this tree deserves recognition for its graceful vase-like form and resistance to Dutch Elm disease. Foliage small, elm-like, dark green, turns deep russet in fall.			
6 to 8 ft.		3.60	3.00
8 to 10 ft.	7.00	5.25	
1½ to 1¾ in.	11.20		
1¾ to 2 in.	12.50	9.50	
2 to 2½ in.	16.00	12.50	11.00
2½ to 3 in. (30″ Ball)	42.50	34.00	30.00
3 to 3½ in. (33″ Ball)	54.00	43.00	38.00
3½ to 4 in. (36″ Ball)	70.00	56.00	



Cole's balled and burlapped stock equals or exceeds the A. A. N. Standards.

DECIDUOUS SHRUBS

WHY BETTER SHRUBS?

Because Cole's shrubs are "normal grown" under Northern Climatic conditions. They aren't forced by big doses of fertilizer, consequently have full tops with body and substance, plenty of spreading, fibrous roots. Long, cool fall seasons mean they are properly ripened for your transplanting success.

The size immediately following the name indicates approximate height at maturity, in cultivation.

	5-9 Each	10-29 Each	30 up Each
ABELIOPHYULUM distichum (Zone 5)		**White Forsythia**	
Purple buds open to pure white flowers in very early spring. Prefers sunny well drained situations.			
3 to 4 ft.	$ 1.90	$ 1.50	
ACANTHOPANAX sieboldianus (pentaphyllum) — 8' (Zone 4)		**Fiveleaf Aralia**	
Dense, thorny, with light green, divided leaves. Grows well under city conditions, in shade, in dry soils.			
2 to 3 ft.	1.00	.75	.60
3 to 4 ft.	1.25	1.00	.80
AMELANCHIER canadensis — 20-30' (Zone 4)		**Downy Shadblow**	
A white cloud in Spring. Edible red berries follow.			
2 to 3 ft.	1.50	1.20	1.00
ALTHEA. See Hibiscus syriacus.			
ARONIA arbutifolia — 7' (Zone 5)		**Red Chokeberry**	
White flowers in June; brilliant red foliage and many bright red berries in fall. Stands shade and wet soil.			
1½ to 2 ft.	.70	.55	.45
2 to 3 ft.	1.00	.75	.60
3 to 4 ft.	1.25	1.00	.80
brilliantissima — 8' (Zone 5)		**Brilliant Red Chokeberry**	
Fruit more highly colored than above. Taller growing.			
1½ to 2 ft.	.70	.55	.45
2 to 3 ft.	1.00	.75	.60
3 to 4 ft.	1.25	1.00	.80
melanocarpa — 6' (Zone 4)		**Black Chokeberry**	
Attractive foliage. Shiny black berries in the fall.			
1½ to 2 ft.	.70	.55	.45
2 to 3 ft.	1.00	.75	.60
3 to 4 ft.	1.25	1.00	.80
BERBERIS koreana — 6' (Zone 5)		**Korean Barberry**	
One of our best, dense, upright shrubs. Broad leaves, color deep red in autumn, holds late. Showy yellow flower clusters; persistent bright red fruit.			
2 to 3 ft.	1.10		

BERBERIS — Continued	5-9 Each	10-29 Each	30 up Each
mentorensis — 4' (Zone 5) **Mentor Barberry**			
Semi-evergreen here, fully evergreen farther south. Outstanding ability to stand heat and drought. Useful specimen or hedge.			
15 to 18 in.	.90	.70	.55
1½ to 2 ft.	1.15	.90	.75
2 to 2½ ft.	1.50	1.15	.95
thunbergi — 4' (Zone 5) **Japanese Barberry**			
Widely used thorny hedge plant, standing shade and drought. Scarlet leaves and bright red berries in fall.			
15 to 18 in.		.50	.40
1½ to 2 ft. (200 up 37c)		.55	.45
2 to 2½ ft. (200 up 45c)	1.00	.65	.55
t. atropurpurea — 4' (Zone 5) **Redleaf Japanese Barberry**			
Like preceding, except that leaves stay red all summer. Colorful hedge; fine for accent planting. Cole's strain is remarkably uniform.			
15 to 18 in. (200 up 40c)		.65	.55
1½ to 2 ft. (200 up 45c)	1.00	.80	.65
2 to 2½ ft. (200 up 60c)	1.15	.90	.75
2½ to 3 ft.	1.40	1.10	.90
t. 'Crimson Pygmy' (Zone 5) **Pygmy Red Barberry**			
A little gem. Dwarf compact growth. Glistening red foliage.			
6 to 9 in., Spread	1.50	1.20	1.00
10 to 12 in., Spread	1.80	1.50	1.25
t. 'Erecta' — 3' (Zone 5) **Cole's Truehedge Columnberry**			
Rigidly columnar, compact form requiring almost no trimming. Valuable for narrow hedges, formal specimens, window boxes, etc. Glossy dense foliage turns red uniformly in autumn. Can be held as low as 1 foot tall.			
1½ to 2 ft.	.85	.65	
CHAENOMELES lagenaria (Cydonia japonica) — 4' (Zone 4) **Flowering Quince**			
Low-growing, rounded bush with dark green foliage. Bright orange-red flowers in May. Stands drought well.			
12 to 18 in.		.45	.35
1½ to 2 ft. (200 up 37c)		.55	.45
2 to 2½ ft. (200 up 50c)	1.00	.75	.60
2½ to 3 ft. (200 up 65c)	1.15	.90	.75
l. 'Pygmaea' — 2½' (Zone 4) **Pygmy Flowering Quince**			
Dense, low form, similar to above.			
12 to 18 in.		.50	.40
1½ to 2 ft. (200 up 42c)		.60	.50
2 to 2½ ft.	1.10	.85	.70
l. Cole's Red — 4-5' (Zone 4) **Cole's Rich Red Flowering Quince**			
Compact, slow growth. Superlative blossom color. Heavy bloomer. Rich green foliage. Sparse fruiter, so foliage stays green all summer. Highly admired by an Arnold Arboretum specialist.			
1½ to 2 ft.	1.15	.90	.75
2 to 2½ ft.	1.40	1.10	.90
2½ to 3 ft.	1.90	1.50	1.25
l. 'Rubra' — 6' (Zone 4) **Upright Red Flowering Quince**			
Cutting-grown, upright strain with uniform bright scarlet flowers.			
1½ to 2 ft.		.65	.50
2 to 3 ft.	1.00	.75	.60
3 to 4 ft.	1.25	1.00	.80
4 to 5 ft.	1.90	1.50	1.20

COLE'S RICH RED FLOWERING QUINCE — The original plant twenty years old. Upright, compact. Still blooms heavily.

	5-9 Each	10-29 Each	30 up Each
CHIONANTHUS virginicus — 20-25' (Zone 4)			**White Fringetree**
A splendid ornamental large shrub or small tree, covered with large clusters of fringy white flowers in May; bright blue berries in fall. Stands shade and city conditions.			
2 to 3 ft.	1.90	1.50	1.25
3 to 4 ft.	2.50	2.00	1.65
4 to 5 ft.	3.40	2.70	
CLETHRA alnifolia — 5' (Zone 3)			**Summersweet**
Compact, neat plant, doing well in moist, shady places. Intensely fragrant white flower spikes in July-August.			
12 to 18 in.		.50	.40
1½ to 2 ft.	.80	.60	.50
a. 'Rosea' — 5' (Zone 3)			**New Pink Summersweet**
Pink flowers, deliciously fragrant in late summer. Dark green foliage on a dense, trim plant. Truly an outstanding shrub.			
1½ to 2 ft.		.65	.55
2 to 2½ ft.	1.10	.80	.65
2½ to 3 ft.	1.25	1.00	.80
3 to 3½ ft.	1.70	1.35	1.10
CORNUS alba 'Elegantissima' (argenteo-marginata)—6' (Zone 2) Creamedge Dogwood			
Variegated cream and green foliage. Bright red stems. Stands wet soils. Our strain is very low-growing, highly colored.			
1½ to 2 ft.		.85	.70
2 to 3 ft.	1.35	1.05	

Nearly every item in this catalog is certified for shipment outside the Japanese Beetle Zone. You can't get the Beetle from Cole's.

CORNUS — Continued	5-9 Each	10-29 Each	30 up Each
a. siberica — 8′ (Zone 2) **Siberian Dogwood**			
Bright coral-red bark, excellent in winter. Clusters of white flowers; porcelain-blue berries. Good in shade, wet soils.			
1½ to 2 ft.	1.00	.60	.50
mas — 20′ (Zone 4) **Corneliancherry Dogwood**			
Vigorous, sturdy shrub, narrow and dense in outline. Yellow flowers before the leaves; edible scarlet fruit. Most useful.			
2 to 3 ft.	1.20	.95	.75
3 to 4 ft.	1.40	1.10	.90
4 to 5 ft.	1.75	1.40	1.15
5 to 6 ft.	2.25	1.80	1.50
6 to 7 ft.	3.10	2.50	
officianalis — 15′ (Zone 5) **Japanese Cornelian Cherry Dogwood**			
A somewhat refined form of Cornelian Cherry. Heavy fruiting.			
2 to 3 ft.	1.25	1.00	.80
3 to 4 ft.	1.50	1.20	1.00
4 to 5 ft.	2.20	1.70	1.35
5 to 6 ft.	2.65	2.10	1.75
6 to 7 ft.	3.40	2.75	2.25
racemosa (paniculata) — 12′ (Zone 4) **Gray Dogwood**			
Fine for massing in sun, shade, wet or dry soils. Creamy-white flowers and fruit. Gray stems, upright growth.			
2 to 3 ft.		.75	.60
3 to 4 ft.	1.25	1.00	.80
4 to 5 ft.	1.50	1.20	1.00
5 to 6 ft.	2.20	1.70	1.35
6 to 8 ft.	2.65	2.10	1.75
stolonifera flaviramea — 6′ (Zone 2) **Yellowtwig Dogwood**			
Bright yellow bark. Colorful in winter.			
1½ to 2 ft.		.60	.50
2 to 3 ft.	1.10	.80	.65
3 to 4 ft.	1.50	1.10	
CORYLUS americana — 8′ (Zone 4) **American Hazelnut**			
Fine for naturalizing. Valuable in the shrub-row.			
3 to 4 ft.	1.40	1.10	.90
COTINUS coggygria Royal Purple (Rhus cotinus)—15′ (Zone 4) **Purple Smoketree**			
Huge, fluffy, smoky-appearing flower and fruit panicles, effective all summer. Rich deep maroon foliage color.			
2 to 3 ft.	2.50	2.00	
3 to 4 ft.	3.25	2.70	
COTONEASTER acutifolia — 10′ (Zone 4) **Peking Cotoneaster**			
Upright, strong-growing with black fruit. Dark green foliage, red in fall. Fine hardy hedge or specimen.			
2 to 3 ft.	1.10	.85	.70
3 to 4 ft.	1.40	1.10	.90
apiculata — 2′ (Zone 4) **Cranberry Cotoneaster**			
Beautiful dwarf type with arching branches, hardier than horizontalis. Glossy green foliage; large red berries.			
Bushy Plants from 3″ Clay Pots	1.50	1.20	1.00
Gallon Cans. Heavy 12 to 15 in.	2.80	2.30	1.90

Left, Viburnum tomentosum (rotundifolium). Cole's full, rounded, cutting-grown strain In the center and right — Deutzia gracilis dense plants.

COTONEASTER — Continued	5-9 Each	10-29 Each	30 up Each
divaricata — 6' (Zone 5) **Spreading Cotoneaster**			
Outstanding, arching-spreading habit. Pink flowers; bright red berries in great abundance.			
1½ to 2 ft.	1.25	1.00	.80
2 to 3 ft.	1.50	1.20	1.00
2 to 3 ft. (12" Ball)	3.40	2.80	2.35
3 to 4 ft. (13" Ball)	4.50	3.60	
CYTISUS praecox — 4' Zone 5) **Warminister Broom**			
A real gem, and absolutely hardy here. Creamy-yellow, pea-like blooms in great profusion every spring. Green branches give evergreen appearance. Bush rounded, upright.			
Gal. cans, 10 to 12 in.	1.70	1.35	1.10
DEUTZIA gracilis — 3' (Zone 4) **Slender Deutzia**			
Upright-arching, dense, compact habit. Mass of snow white bloom in May. Fine facer or low hedge.			
12 to 15 in.		.60	.50
hybrida 'Pink Pompon' — 3-4' (Zone 4) **Pink Pompon Deutzia**			
New dwarf shrub bearing a profusion of pink flowers in late spring. Blooms well in light shade.			
15 to 18 in.	1.25	1.00	.80
1½ to 2 ft.	1.60	1.25	
ELAEAGNUS angustifolia — 18-20' (Zone 2) **Russian Olive**			
Silvery gray foliage plant much used for screen and windbreaks. Very hardy and adaptable.			
2 to 3 ft.	1.00	.80	.65
3 to 4 ft.	1.25	1.00	.80

	5-9 Each	10-29 Each	30 up Each

EUONYMUS alatus — 9' (Zone 3) **Winged Euonymus**

Horizontal branches with corky wings, picturesque in winter. Magnificent scarlet autumn color. Stands shade.

1½ to 2 ft.	1.15	.90	.75
2 to 2½ ft.	1.50	1.20	1.00
2½ to 3 ft.	2.00	1.60	1.30
3 to 3½ ft. Heavy	2.65	2.10	1.75
3½ to 4 ft. Heavy	3.15	2.50	
4 to 5 ft. Heavy	4.10	3.25	

a. compactus — 5-6' (Zone 3) **Dwarf Winged Euonymus**

Very choice compact variety, splendid for hedge and specimen use. Brilliant fall coloring.

15 to 18 in.	1.35	1.05	.85
1½ to 2 ft.	1.70	1.35	1.10
2 to 2½ ft.	2.15	1.70	1.40

a. gracilis — 7' (Zone 3)

A more slender form of alatus with finer foliage and same fine fall coloring.

2 to 2½ ft.	1.50	1.20	1.00
2½ to 3 ft.	2.00	1.60	1.30

europaeus 'Aldenham' — 12' (Zone 4) **New Improved Burning Bush**

More colorful fruit, brilliant pink capsules with orange seeds. Deep green leaves, held late in fall, turn scarlet. An exceptionally shapely, vigorous upright plant.

2 to 3 ft.	1.00	.80	.65
3 to 4 ft.	1.30	1.05	
4 to 5 ft.	1.70		

e. Burtoni (Zone 4) **Burton Burning Bush**

New compact dwarf type of europaeus. Deep green foliage; fine fruiting qualities. Cutting grown.

1½ to 2 ft.	1.25	1.00	
2 to 2½ ft.	1.70	1.35	
2½ to 3 ft.	2.15	1.70	

e. 'Red Cascade' — 15-20' (Zone 4) **Red Cascade Euonymus**

Fine new selection with large, bright red fruits. Retains leaves until late Fall providing a pleasing background for the colorful fruit.

2 to 3 ft.	1.25	1.00	.80
3 to 4 ft.	1.60	1.25	1.00

FOR EVERGREEN EUONYMUS — See "Evergreen Shrubs"

FORSYTHIA 'Arnold Dwarf' — 3' (Zone 5)

New, low-growing type of great merit for foundation, accent and ground cover use. Drooping branches take root upon touching the ground.

15 to 18 in.		.75	
1½ to 2 ft.	1.10	.85	.70
2 to 2½ ft.	1.40	1.10	.90

'Beatrix Farrand'—A new Tetraploid — 6-8' (Zone 4) **Beatrice Farrand Forsythia**

Striking new variety with golden flowers over 2 inches across.

1½ to 2 ft.			.45
2 to 3 ft.	1.00	.75	.60
3 to 4 ft.	1.15	.90	.75
4 to 5 ft.	1.50	1.15	.95

FORSYTHIA — Continued	5-9 Each	10-29 Each	30 up Each
intermedia 'Spectabilis' — 8' (Zone 5) **Showy Border Forsythia**			
Hardy, upright with arching branches. Rich golden yellow flowers in April. Most profuse.			
1½ to 2 ft.			.45
2 to 3 ft.	1.00	.75	.60
'Karl Sax' — 6' (Zone 4) **Karl Sax Forsythia**			
A new hybrid tetraploid. Large, sturdy, graceful branches. Well clothed with deep green ovate foliage. This is a profuse bloomer with large deep golden yellow flowers. Extremely hardy.			
1½ to 2 ft.		.70	.60
2 to 3 ft.	1.10	.85	.70
'Lynwood Gold' — 6-7' (Zone 4) **Lynwood Gold Forsythia**			
Outstanding new variety. Erect branches smothered with deep yellow flowers. Foliage excellent, deep green.			
1½ to 2 ft.			.45
2 to 3 ft.	1.00	.75	.60
'Spring Glory' — 8' (Zone 4) **New Spring Glory Forsythia**			
Large pale yellow blossoms of great loveliness. Extremely heavy flower production on an excellent bush.			
2 to 3 ft.	1.00	.75	.60
suspensa — 4-6' (Zone 5) **Weeping Forsythia**			
Slender weeping branches root where they touch soil, hold banks well. This is the true, trailing, small-leaved type.			
1½ to 2 ft.		.60	.45
2 to 3 ft.	1.00	.75	.60
viridissima 'Bronxensis' —— 12-18" (Zone 5) **Dwarf Greenstem Forsythia**			
Fascinating new variety. Dense, compact. Bright green finely toothed leaves. Bright yellow flowers.			
1 year		.70	.55
2 years	1.20	.90	.75
HAMAMELIS mollis — 20' (Zone 5) **Chinese Witch-hazel**			
Described as the finest of the witch-hazels. Blooms very early (Jan.-Mar.). Large golden yellow flowers. The six inch leaves turn bright yellow late in the fall. A neat rounded shrub or small tree.			
1½ to 2 ft.	2.00	1.60	
2 to 3 ft.	2.50	2.00	
virginiana — 12' (Zone 4) **Witchhazel**			
Sturdy shrub particularly suited for mass planting. Withstands some shade and moist locations. Unique yellow flowers in very late fall.			
2 to 3 ft.	1.10	.85	.70
3 to 4 ft.	1.40	1.10	.90
4 to 5 ft.	1.90	1.50	1.25
vernalis — 8' (Zone 4) **Vernal Witchhazel**			
Fine dense type. Pale yellow flowers in late winter.			
2 to 3 ft.	1.10	.85	.70
3 to 4 ft.	1.40	1.10	.90

During planting season, we arrange frequent combination bulk deliveries to Albany, Buffalo, Cleveland, Columbus, Cincinnati, Chicago, Detroit, Ft. Wayne, Grand Rapids, Indianapolis, Pittsburgh, Philadelphia, Rochester, Syracuse and Toledo areas. Trucking can easily be arranged to other cities within 60 miles. Rates reasonable.

	5-9 Each	10-29 Each	30 up Each

HIBISCUS syriacus — 12' (Zone 5) **Shrub Althea, Rose of Sharon**

Upright, dense shrubs, flowering spectacularly in late summer. Makes a thick, beautiful hedge.

Ardens. Double bluish purple.

Jeanne d'Arc. Double pure white.

Lady Stanley. Double pink, red center.

Lucy. Double rose-red.

Prices above varieties:

2	to 3	ft.	1.10	.75	.60

Hamabo. Clear white single with red center. 5 rate only.

Totus Albus. Pure white.

Prices above varieties:

1½	to 2	ft.	1.10	.75	.60

Blue Bird — Plant Pat. No. 1739 (Zone 5)

Glorious new blue with small reddish blotch at center. Saucer-like 5-inch flower. Vigorous upright growth. Blooms prolifically from early summer 'til frost.

1½	to 2	ft.	1.50	1.10	1.00
2	to 3	ft.	2.15	1.80	1.50

HYDRANGEA arborescens grandiflora — 4' (Zone 4) **Snowhill Hydrangea**

Upright, dense growing with large, pure snow-white flowers June-July. Will stand partial shade.

1½	to 2	ft.	1.00	.75	.60
2	to 3	ft.	1.25	1.00	.80

macrophylla 'Nikko Blue' — 3' (Zone 5)

Hardiest and most free blooming of all Blue Hydrangeas, reliable every year. Blooms on new wood.

2	years		.90	.60	.50

HYPERICUM 'Hidcote' — 3' (Zone 5) **Hidcote Hypericum**

New hardier, prostrate variety useful as facer plant or ground cover. Large waxy, golden yellow flowers practically all summer.

2	year		.90	.70	.55

kalmianum — 3' (Zone 4) **Kalm Blueleaf St. Johnswort**

Dense, rounded shrub with blue-green foliage and immense quantities of bright golden-yellow flowers in July-August. The finest hardy Hypericum.

15	to 18	in.		.50	.40
1½	to 2	ft.	1.00	.60	.50

ILEX laevigata 'Female' — 8' (Zone 4) **Smooth Winterberry Holly**

Similar to Ilex verticillata, but sets fruits without pollenization. Bright red berries fall and winter; foliage bright green, healthy.

1½	to 2	ft.	1.25	1.00	.80

verticillata — 8' (Zone 3) **Winterberry**

Bright red berries fall and winter. Foliage bright green, yellow in autumn. Stands shade and wet places.

1½	to 2	ft.	1.00	.75	.60
2	to 3	ft.	1.25	1.00	.80

	5-9 Each	10-29 Each	30 up Each

KOLKWITZIA amabilis — 8′ (Zone 4) **Beauty Bush**

Upright arching branches are a bright mass of pink flowers in June. New growth reddish, as is fall foliage. A serviceable, hardy shrub.

1½ to 2 ft.		.65	.50
2 to 3 ft.	1.00	.75	.60
3 to 4 ft.	1.25	1.00	.80

LIGUSTRUM obtusifolium regelianum — 6′ (Zone 3) **Regel Border Privet**

Neat horizontal branching habit with regularly spaced leaves. Low-growing, hardy, dense shrub. Cole's stock is true, uniform, cutting-grown strain.

1½ to 2 ft. spread		.50	.40
2 to 2½ ft. spread		.60	.50

vicaryi — 5′ (Zone 4) **Golden Vicary Privet**

Leaves golden-yellow all season. Neat, compact, easily trimmed shrub. Cole's stock is superior original strain.

9 to 12 in.			.40
12 to 15 in.		.60	.50
15 to 18 in.	1.00	.75	.60

buxus nana — 2½′ (Zone 4) **Dwarf Wintergreen Privet**

Attractive glossy foliage. Neat compact growth.

15 to 18 in.		.60	.50

LINDERA benzoin — 6′ (Zone 4) **Spicebush**

Attractive shrub. Early yellow flowers followed by glossy red berries. Spicily fragrant foliage.

2 to 3 ft.	1.10	.80	.65

LONICERA amoena arnoldiana — 8′ (Zone 5) **Arnold Honeysuckle**

Graceful arching habit with delicate bluish leaves. Profuse pale pink flowers, showy red berries. Most attractive.

2 to 3 ft.	1.00	.75	
3 to 4 ft.	1.25	.95	

fragrantissima — 8′ (Zone 5) **Winter Honeysuckle**

Handsome foliage. Early fragrant white flowers.

2 to 3 ft.	1.10	.75	.60
3 to 4 ft.	1.30	1.00	

tatarica grandiflora rosea — 8-10′ (Zone 4) **Pink Tatarian Honeysuckle**

Old favorite. Always reliable.

2 to 3 ft.	1.10	.75	.60

t. zabeli — 8′ (Zone 4) **Red Zabel Honeysuckle**

Dense, shapely upright bush with blue-green foliage. Bright red flower and excellent red fruit.

1½ to 2 ft. (200 up 30c)		.60	.50
2 to 3 ft. (200 up 45c)	1.10	.75	.60

MYRICA pennsylvanica — 5′ (Zone 2) **Northern Bayberry**

Dark glossy, aromatic, semi-evergreen foliage. Waxy blue-gray berries in fall and winter. Will grow in shade or sun, moist or dry soils and at the seashore.

12 to 15 in., Bare Root	1.25	1.00	.85

Hardiness Zone Map is on page 4.

	5-9 Each	10-29 Each	30 up Each

PHILADELPHUS Cole's Glorious — 8' (Zone 5)

Our own development. Large, single, fragrant glistening white flowers. Sturdy upright habit with elegant foliage. We have been told this is one of the finest of all Mockoranges.

2	to 3	ft.	1.10	.80	.65
3	to 4	ft.	1.25	.95	.80
4	to 5	ft.	1.60	1.30	

virginalis virginal — 8' (Zone 5) **Virginal Mockorange**

Semi-double, very fragrant flowers over a long period. Our strain is true, free-blooming variety — flowers all summer.

1½	to 2	ft.		.60	.50
2	to 3	ft.	1.00	.75	.60
3	to 4	ft.	1.25	.95	.80

v. 'Argentine' — 6' (Zone 5) **Argentine Mockorange**

More compact growth. Double flowers.

1½	to 2	ft.		.60	.50
2	to 3	ft.	1.00	.75	.60

PHOTINIA villosa — 12' (Zone 4) **Christmasberry**

Attractive white flowers in spring. Brilliant red berries 'til after Christmas.

6	to 8	ft.	2.25	1.80	1.50
8	to 10	ft.	3.40	2.70	2.25

PHYSOCARPUS opulifolius nana — 5' (Zone 2) **Dwarf Ninebark**

Dwarf, bushy form; dainty deep green leaves. One of the finest clipped hedges at Morton Arboretum, Lisle, Illinois.

3	to 4	ft.	1.10	.85	.70
4	to 5	ft.	1.50	1.20	1.00

POTENTILLA farreri (Gold Drop) — 2½' (Zone 2) **Gold Drop Cinquefoil**

Small compact, very hardy shrub with dainty fernlike leaves. Brilliant deep yellow flowers the entire summer. Use in rockeries, or foreground of borders and foundations.

2 year No. 1		1.00	.80	.65

PRUNUS glandulosa rosea — 4-5' (Zone 4) **Double Pink Almond**

Very double, pink flowers in early spring. Cutting-grown.

2	to 3	ft., own root	1.10	.80	.65

RHAMNUS frangula — 10' (Zone 2) **Glossy Buckthorn**

Vigorous dense, thornless shrub. Dark lustrous foliage; red berries turning black. Stands shade and dry soils.

1½	to 2	ft.		.60	.50
2	to 3	ft.	1.00	.75	.60

A field of **TALLHEDGE.** Note uniform size without trimming.

NEW Tallhedge

(Luedy)

Rhamnus frangula columnaris (Zone 2)

Plant Patent No. 1388

Here, at last, is a perfect solution to many hedge problems. TALLHEDGE forms a compact, narrow hedge up to 12 to 15 feet tall, and only about 4 feet wide. It need never be trimmed to be neat, but may easily be sheared to as low as 4 feet.

Foliage is dense, lustrous dark green. Attractive berries change through cream, pink and red to black, appear in succession all summer.

Cole's TALLHEDGE is a form of the highly respected thornless, hardy and adaptable Glossy Buckthorn. It fills a long-standing need for a good, tall, narrow hedge or accent plant.

We suggest planting on 2' or 2½' centers.

	5-9 Each	10-29 Each	30-199 Each	200 up Each
1½ to 2 ft.			.70	.65
2 to 3 ft.		1.05	.85	.80
3 to 4 ft.		1.30	1.05	1.00
4 to 5 ft.		1.75	1.45	1.35
5 to 6 ft.	2.75	2.25	1.90	1.75
6 to 7 ft.	3.30	2.75	2.40	
5 to 6 ft. Spec. B&B 17"	7.50	6.30	5.50	
6 to 7 ft. Spec. B&B 18"	10.00	8.35		

If Smaller Sizes are Wanted B&B See Balling Schedule on Inside Back Cover

	5-9 Each	10-29 Each	30 up Each
RHODOTYPOS scandens (kerrioides) — 6′ (Zone 5) **Jetbead**			
Starry white flowers in June; jet black berries all winter. Fresh green foliage. Does well in semi-shade.			
2 to 3 ft.		.75	.60
3 to 4 ft.	1.15	.90	.75
4 to 5 ft.	1.50	1.20	1.00
RHUS aromatica (canadensis) — 5′ (Zone 3) **Fragrant Sumac**			
Excellent, round-growing shrub doing well under extremes of drought, moisture and shade. Thick, aromatic foliage is brilliant in fall. Small yellow flowers in May; bright red fruit in summer.			
15 to 18 in.		.45	.35
1½ to 2 ft.		.55	.45
ROBINA hispida — 4′ (Zone 5) **Rose Acacia**			
Large clusters of pink, pea-like flowers in May. Graceful foliage. Holds soil on banks because of its suckering habit.			
1½ to 2 ft. (200 up 35c)		.50	.40
2 to 3 ft.		.60	
ROSA 'Max Graf' — Trailing (Zone 4) **Trailing Rugosa**			
Excellent prostrate ground cover or vine. Apple-blossom pink blooms; dark green leaves. Very choice.			
2 years	1.10	.85	.70
rugosa — 5′ (Zone 2) **Rugosa Rose**			
Adaptable and beautiful, bushy rose. Dark green, rugose foliage turns bright orange in fall. Large pink to white, single flowers from June on. Stands pruning well.			
1½ to 2 ft.		.60	.50
2 to 3 ft.	1.00	.75	.60
wichuriana — Trailing (Zone 5) **Memorial Rose**			
Used widely for holding banks and rocky slopes and as ground cover in sun. White flowers; shiny foliage.			
2 year medium		.55	.45
2 year No. 1	1.10	.70	.55
SPIREA japonica alpina (Zone 5) **Daphne Spirea**			
Truly a 'little gem' of the Spirea family. Compact mounds of dainty foliage. Long lasting profuse deep rose-pink flowers. The plants bloomed heavily this summer.			
2 year, 8 to 12 in.	1.00	.75	.60
japonica 'Coccinea' — 3′ (Zone 5) **Improved Dwarf Red Spirea**			
Dwarf, compact, with rich, clean, red flower clusters nearly all summer.			
15 to 18 in.		.60	.50
1½ to 2 ft.	1.10	.80	
macrothyrsa — 5′ (Zone 4) **Everblooming Pink Spirea**			
Blooms from late July into September with large heads of rich, warm pink flowers often 10 or more inches long on stems up to 5′ long. Good crisp green foliage even during midsummer. A fine plant for the shrub border and in masses on slopes, where its layering stems will hold soil against erosion.			
1½ to 2 ft.		.60	.50
2 to 3 ft.	1.00	.80	.65
3 to 4 ft.	1.25	1.00	

SPIREA — Continued	5-9 Each	10-29 Each	30 up Each
vanhouttei — 7-8' (Zone 4)		**Vanhoutte Spirea**	
Popular shrub, a mass of arching white in May. Used for large hedges, etc.			
1½ to 2 ft.		.60	.50

STEPHANANDRA incisa crispa nana — 2-2½' (Zone 4) **Cutleaf Stephanandra**

New graceful, dense, low-growing shrub grown for its finely divided bright green leaves tinted red in early spring, reddish purple in autumn. Clusters of minute snowy white flowers in June. Slender branches are interwoven in a fan like manner.

15 to 18 in.	1.00	.75	.60
1½ to 2 ft.	1.25	1.00	

SYMPHORICARPOS chenaulti 'Hancock' — 2' (Zone 4) **New Prostrate Coralberry**

An outstanding introduction for ground cover, bank-holding or front of shrub borders. Forms an extremely dense, neat mat with small, attractive foliage and many rose-pink berries.

1½ to 2 ft. spread (200 up 37c)		.55	.45
2 to 3 ft. spread (200 up 50c)	1.00	.75	.60
3 to 4 ft. spread	1.20	.90	.75

orbiculatus (vulgaris) — 4' (Zone 3) **Indiancurrant Coralberry**

Coral-red berries fall and winter. Hardy, suckering shrub excellent for bank planting or in shade.

2 to 3 ft. (200 up 35c)		.55	.45
3 to 4 ft.	1.00	.75	.65

'White Hedge' — 6' (Zone 3) **New Hybrid Snowberry**

Pink flowers followed by upright sprays of huge white berries. A great, needed improvement.

2 to 3 ft.	1.10	.70	.55

SYRINGA chinensis (rothomagensis) — 10' (Zone 5) **Chinese Lilac**

Graceful upright-spreading habit, excellent for hedge or border. Purple lilac flowers in late May and June.

2 to 3 ft.	1.00	.75	.60
3 to 4 ft.	1.25	1.00	.80

microphylla — 6' (Zone 5) **Littleleaf L. (Everblooming Daphne Lilac)**

Broad low habt; small, somewhat crinkled leaves. A wealth of delightfully fragrant pinkish-lilac flowers in May and at intervals all summer.

1½ to 2 ft.	1.15	.90	
2 to 3 ft.	1.50		

persica **Persian Lilac**

We prefer the much superiar chinensis variety.

villosa — 8' (Zone 2) **Late Lilac**

Heavy foliage. Pinkish flower in May and June.

2 to 3 ft.		.60	.50
3 to 4 ft.	1.00	.80	

vulgaris — 15' (Zone 3) **Common Purple Lilac**

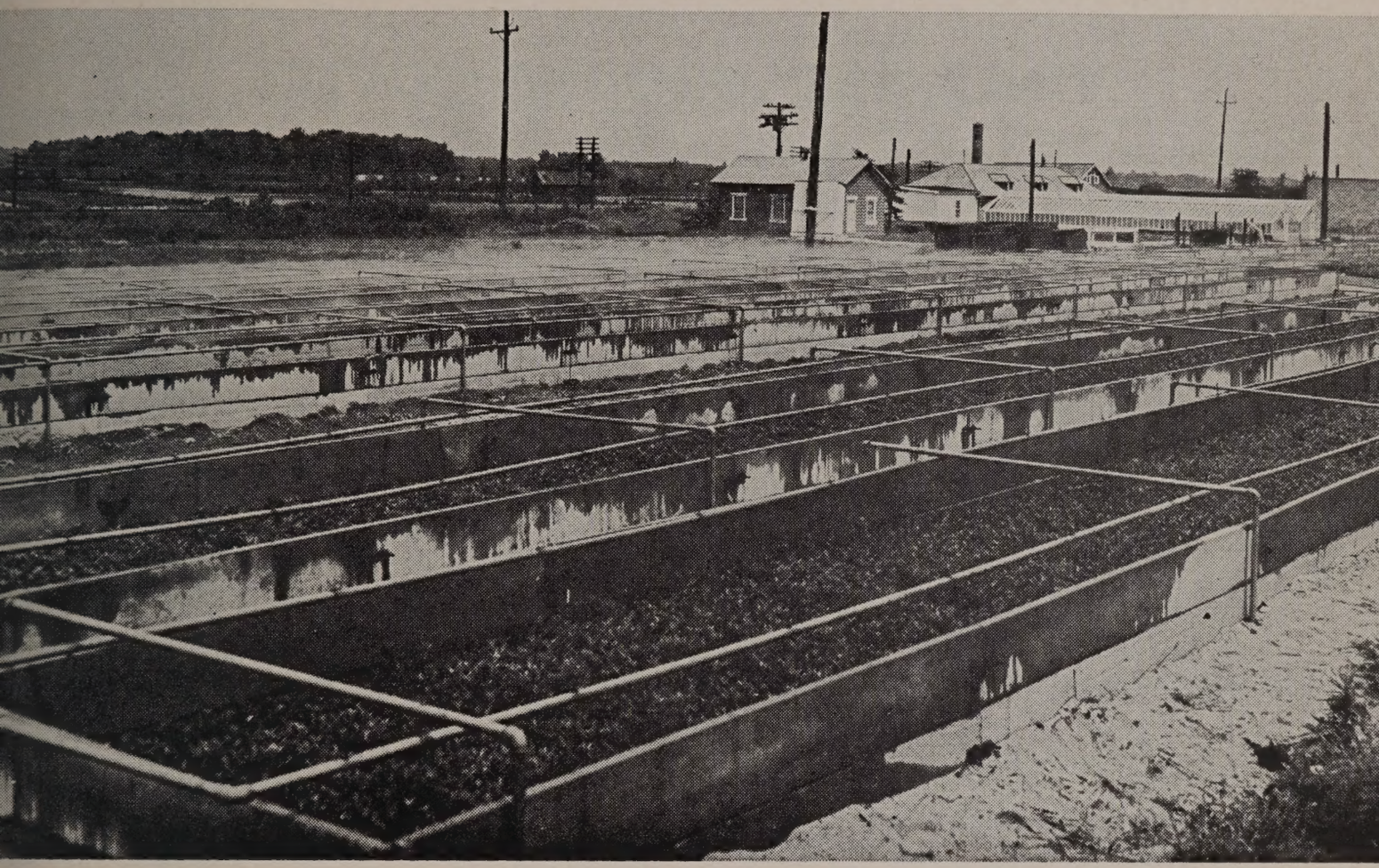
The old fashioned, very fragrant purple lilac.

2 to 3 ft.	1.00	.75	.60
3 to 4 ft.	1.25	1.00	.80

	5-9 Each	10-29 Each	30 up Each
TAMARIX 'Summer Glow' — 8' (Zone 3)		**Summer Glow Tamarix**	
Finest of all varieties. Silver-blue foliage. Rosy flower spikes all summer. Cut back hard when planting.			
2 to 3 ft.	1.00	.75	.60
3 to 4 ft.	1.15	.90	.75
4 to 5 ft.	1.60	1.25	
VIBURNUM 'carlesi' — 5' (Zone 4)		**Korean Spice Viburnum**	
Deliciously spicy fragrant early blush pink flowers.			
1½ to 2 ft. (10" Ball)	3.60	2.85	2.35
2 to 2½ ft. (11" Ball)	4.50	3.50	3.00
3 to 4 ft. Heavy 15" Ball)	8.00		
cassinoides nanum — 2-3' (Zone 3)		**Dwarf Withe-Rod**	
Dwarf form of V. cassinoides.			
12 to 15 in. (10" Ball Extra)	1.25	1.00	.80
15 to 18 in. (11" Ball Extra)	1.60	1.30	
dentatum — 12' Zone 2)		**Arrow-wood**	
Vigorous, rapid grower in almost any soil, under many conditions. Dark blue fruit; glossy red fall leaf color.			
2 to 3 ft.		.70	.55
3 to 4 ft.	1.10	.85	.70
4 to 5 ft.	1.40	1.10	.90
5 to 6 ft.	1.75	1.40	
dilatatum — 9' (Zone 5)		**Linden Viburnum**	
Dense, compact habit; bright red fruit and fall foliage.			
4 to 5 ft.	1.70		
juddi — 6' (Zone 5)		**New Judd Viburnum**	
An outstanding origination of Arnold Arboretum. Similar to V. carlesi, but smaller, with darker leaves and larger flowers. Own-root plants.			
1½ to 2 ft. (10" Ball)	3.60	2.85	2.35
2 to 2½ ft. (11" Ball)	4.70	3.75	3.10
2½ to 3 ft. (12" Ball)	6.00		
lantana — 12-15' (Zone 3)		**Wayfaring Tree**	
Stout upright, with leathery wrinkled foliage, red in fall. Red fruit turns black. Stands dry soil.			
2 to 3 ft.		.75	.60
3 to 4 ft.	1.25	1.00	.80
4 to 5 ft.	1.75	1.40	
lentago — 20' (Zone 2)		**Nannyberry**	
Dense, upright, strong growing. Long, shiny foliage, purplish-red in autumn. Flat white flowers, blue-black berries. Thrives in shade or sun.			
2 to 3 ft.		.75	
4 to 5 ft.	1.50	1.20	1.00
5 to 6 ft.	1.90	1.50	1.25
6 to 8 ft.	3.00		

DWARF EUROPEAN CRANBERRY BUSH — VIBURNUM OPULUS NANUM in a shrub block at Painesville. Heavy roots and vigorous tops result from continually improved cultural practices, seed bed to digging.

VIBURNUM — Continued	5-9 Each	10-29 Each	30 up Each
opulus nanum — 2′ (Zone 3) **Dwarf European Cranberry-bush**			
Another extremely dense, dwarf beauty for today's landscape. Reliably hardy, it does well in light shade and in wet or heavy soil.			
8 to 12 in.			.75
12 to 15 in.			1.00
prunifolium — 15 (Zone 3) **Black Haw**			
Distinct, rugged appearance, upright with horizontal branches. Blue-black fruit; flat white flowers; fall color shining red.			
2 to 3 ft.	1.50	1.20	1.00
3 to 4 ft.	1.85	1.50	1.35
sieboldi — 15′ (Zone 4) **Siebold Viburnum**			
Splendid, long, dark-green lustrous foliage turns red in autumn. Creamy white flowers are followed by red to black berries.			
2 to 3 ft.	1.10	.85	.70
3 to 4 ft.	1.50	1.10	.90
4 to 5 ft.	2.00		
tomentosum (var. rotundifolium) — 8′ (Zone 4) **Doublefile Viburnum**			
Cutting-grown strain of rounded, yet horizontal branching habit. Flat white flowers, bright red berries. Rounded leaves have good red fall color. Excellent, heavy material offered.			
2 to 3 ft.	1.10	.80	.65
3 to 4 ft.	1.40	1.10	.90
t. 'Grandiflora' — 7′ Zone 4) **Improved Japanese Snowball**			
Hardier, more vigorous than t. plicatum, with pure white "snowballs" in May and June.			
2 to 2½ ft.	1.15	.90	



PROPAGATION FACILITIES — Misting capacity has been doubled the last two years. Experienced propagators handle the hundreds of different items grown.

Our new spacious refrigerated storage will keep your stock in perfect dormant condition from the day it is dug until it is shipped.

VIBURNUM — Continued	5-9 Each	10-29 Each	30 up Each
t. mariesi — 6-7′ (Zone 5) — **Maries Doublefile Viburnum**			
Handsome improved spreading form of tomentosum. Profuse bloom even on young plants.			
1½ to 2 ft.		.75	.60
2 to 2½ ft.	1.15	.90	
trilobum — 12′ (Zone 2) — **American Cranberry-bush**			
Handsome, hardy shrub with lobed leaves, deep red in fall. White flowers in late May; scarlet berries last into winter.			
2 to 3 ft.	1.00	.75	.60
3 to 4 ft.	1.25	1.00	
WEIGELA Bristol Ruby — 6′ (Zone 5) — **New Red Weigela**			
Sparkling ruby-red. Free flowering.			
2 to 3 ft.	1.10	.80	
vaniceki (Newport Red) — 6′ (Zone 4) — **Vanicek Red Weigela**			
New, vigorous red-flowered Weigela, hardier and more shapely than older types. Loaded with flowers for a long period.			
2 to 3 ft.		.75	.60
3 to 4 ft.	1.25	1.00	

VINES AND GROUND COVERS

	5-9 Each	10-29 Each	30-199 Each	200 up Each

AMPELOPSIS (see Parthenocissus)

CELASTRUS orbiculatus (Zone 4) — **Oriental Bittersweet**

Lateral clusters of yellow and red berries. Profuse and dependable fruiter. Vigorous, hardy twining vine.

2 year No. 1	$	$ .55	$ .40	$ .35
3 year heavy	1.00	.65	.50	.45

scandens (Zone 2) — **American Bittersweet**

Orange-red fruit in terminal bunches. Fast-growing, adaptable vine, widely used for bank-holding.

2 year No. 1		.55	.40	.35
3 year heavy	1.00	.65	.50	.45

EUONYMUS fortunei varieties (Listed under Broadleaf Evergreens)

HEDERA helix (Listed under Broadleaf Evergreens)

LONICERA japonica halliana (Zone 4) — **Hall's Japanese Honeysuckle**

Strong-growing, semi-evergreen with very fragrant, white to creamy yellow flowers in June. Excellent as a bank-holding ground cover and for screens or trellis. **Our own nursery grown stock.**

2 year No. 1		.50	.35	.30

'Gold Flame' (Zone 5) — **Everblooming Honeysuckle**

Flowers red outside, deep yellow inside, borne all summer.

2 year	1.00	.60	.50	

PARTHENOCISSUS tricuspidata veitchi (Zone 4) — **Boston Ivy**

Hardy, clinging vine, one of best for stone or brick. Brilliant red fall color.

2 year medium			.40	
2 year No. 1	1.00	.65	.50	.45

quinquefolia engelmani (Zone 4) — **Engelman Creeper**

Vigorous climber; deeply cut foliage rich crimson in fall. Excellent ground cover, vine on trellis or wall.

2 year No. 1		.55	.40	.35

POLYGONUM auberti (Zone 4) — **Silver Lace Vine**

Fastest growth. Foliage dense; fleecy-white flowers late summer.

2 year No. 1	1.00	.70	.55	.50

dwarf reynoutria — 1½' (Zone 4) — **Dwarf Polygonum**

Not a vine, but a vigorous, easily-grown ground cover. Red buds and deep pink flowers in late summer, gorgeous autumn leaf color. Aflame from late August to frost.

Field-grown		.40	.30	.25

VINCA minor (Listed under Broadleaf Evergreens)

NEEDLE EVERGREENS

Cole's evergreens are properly spaced and sheared to produce dense, symmetrical, colorful specimens. Our light soils produce a naturally fibrous root system that assures successful transplanting. All can be shipped outside the Japanese Beetle Zone.

Prices **include** a definitely superior job of balling, burlapping and securely rope-tying roots.

Approximate ball sizes are given for your guidance in estimating shipping weights. See inside back cover for ball weights.

NOTE — The size following the name is the estimated practical height at maturity. **For less than 5 of a size add 30% to the 5 rate.**

	5-24 Each	25-99 Each	100 up Each
JUNIPERUS chinensis 'Armstrong' — 4' (Zone 4) **Armstrong Compact Juniper**			
The finest new spreader we have seen. Bright green, entirely adult foliage is naturally compact, remains dense with practically no trimming. Small enough to use under low windows in today's homes.			
12 to 15 in. spread (10" Ball)	$ 2.50	$ 2.10	$ 2.00
15 to 18 in. spread (11" Ball)	2.90	2.50	2.35
1½ to 2 ft. spread (12" Ball)	3.50	3.00	
c.c. 'Mountbatten' — 20' (Zone 4) **Mountbatten Chinese Juniper**			
Dense, compact pyramids. Good silvery-green color.			
3 to 3½ ft. (14" Ball)	5.20		
3½ to 4 ft. (15" Ball)	6.10		
c. 'glauca' Hetz — 6' (Zone 4) **Hetz Blue Juniper**			
Fast growing blue spreader, more upright than pfitzer.			
1½ to 2 ft. spread (12" Ball)	2.90	2.50	2.35
2 to 2½ ft. spread (13" Ball)	3.50	3.00	2.85
c. 'Pfitzer' — 5' (Zone 4) **Pfitzer Juniper**			
Popular, broad, full type; feathery grayish-green foliage. The most practical spreader for larger buildings, parks and older homes.			
1½ to 2 ft. spread (12" Ball)	3.15	2.75	2.60
2 to 2½ ft. spread (13" Ball)	4.00	3.50	3.35
c. 'Compact Pfitzer' (Nick's) — 3' (Zone 4) **Nick's Compact Pfitzer Juniper**			
Lower growing. More compact.			
15 to 18 in. spread (11" Ball)	3.00	2.65	
1½ to 2 ft. spread (12" Ball)	3.70		
c. 'Plume Pfitzer' — 2½' (Zone 4) **Plume Compact Juniper**			
Low, dense, steel-blue type with plumy juvenile foliage. Would serve as a compact, fast-growing substitute for J. sargenti, being similar in appearance. Truly a worthwhile variety.			
15 to 18 in. spread (11" Ball)	2.75	2.35	2.25
1½ to 2 ft. spread (12" Ball)	3.35	2.90	2.75
2 to 2½ ft. spread (13" Ball)	4.25	3.70	
c. 'Silver Blue Pfitzer' — 6' (Zone 4) **Silver Blue Pfitzer Juniper**			
Rich silver blue color throughout. Rapid compact growth. The bluest of all.			
1½ to 2 ft. spread (12" Ball)	3.40	2.90	2.75
2 to 2½ ft. spread (13" Ball)	4.60	4.00	

Hardiness Zone Map is on page 4.

JUNIPERUS — Continued	5-24 Each	25-99 Each	100 up Each
communis hibernica — 6′ (Zone 4) — **Irish Juniper**			
Extremely narrow column of blue-green foliage. Plants offered are dense, sheared material, sure to please.			
2 to 2½ ft. (12″ Ball)	2.25	1.90	
2½ to 3 ft. (13″ Ball)	2.60	2.25	
3 to 4 ft. (14″ Ball)	3.25		
excelsa stricta — 6′ (Zone 4) — **Spiny Greek Juniper**			
Popular broad-based pyramid. Gray-green foliage.			
1½ to 2 ft. (12″ Ball)	2.70	2.30	
2 to 2½ ft. (13″ Ball)	3.20		
h. plumosa — 2′ (Zone 4) — **Andorra Purple Creeping Juniper**			
Feathery, bright green foliage, turning purple in fall. We offer compact, sheared plants of this distinctive form.			
15 to 18 in. spread (11″ Ball)	2.70	2.25	2.10
1½ to 2 ft. spread (12″ Ball)	3.25	2.75	
scopulorum 'Pathfinder' — 20′ (Zone 3) — **Pathfinder Blue Juniper**			
Dense blue spires.			
5 to 6 ft. (18″ Ball)	9.20	8.00	
s. 'Welchi' — 20′ (Zone 3) — **Welch Rocky Mountain Juniper**			
5 to 6 ft. (18″ Ball)	9.20		
virginiana 'cannaerti' — 18′ (Zone 2) — **Cannaert Red Cedar**			
A reliable older type.			
3 to 3½ ft. (14″ Ball)	5.20		
3½ to 4 ft. (15″ Ball)	6.10	5.30	
4 to 4½ ft. (16″ Ball)	7.00		
v. pyramidiformis 'Dundee' — 18′ (Zone 2) — **Purple Pyramid Juniper**			
Gray-green foliage. Plum colored in fall.			
3 to 3½ ft. (14″ Ball)	5.20	4.50	
3½ to 4 ft. (15″ Ball)	6.10	5.30	
4 to 5 ft. (16″ Ball)	7.00		
5 to 6 ft. (18″ Ball)	9.20		
6 to 7 ft.	11.50		
v. 'Keteleeri' — 15′ (Zone 2) — **Keteleer Juniper**			
Deep green foliage. Upright and compact in growth. One of the best.			
3 to 3½ ft. (14″ Ball)	5.00	4.50	
3½ to 4 ft. (15″ Ball)	6.10	5.30	
4 to 4½ ft. (16″ Ball)	7.00	6.10	
PICEA pungens — 60′ (Zone 3) — **Colorado Green Spruce**			
4 to 5 ft. (17″ Ball)	8.50		
5 to 6 ft. (18″ Ball)	Each $11.00		
p. glauca — 60′ (Zone 3) — **Colorado Blue Spruce**			
3 to 4 ft. (15″ Ball)	Each 14.00		
4 to 5 ft. (17″ Ball)	Each 17.50		
5 to 6 ft. (18″ Ball)	Each 24.00		
pygmea — 4′ (Zone 2) — **Pygmy Spruce**			
Dense dwarf pyramid. Bright green color.			
1½ to 2 ft. (13″ Ball)	7.50		
2 to 2½ ft. (15″ Ball)	9.60		

TAXUS CAPITATA — UPRIGHT JAPANESE YEW. One of our fine big blocks. Cole's wide spacing produces superior quality.

	5-24 Each	25-99 Each	100 up Each
PINUS mughus — 5′ (Zone 3)		**Dwarf Mountain Pine**	
1½ to 2 ft. spread (13″ Ball)	4.60		
2 to 2½ ft. spread (14″ Ball)	5.75	5.00	
2½ to 3 ft. spread (16″ Ball)	8.65		
nigra — 50′ (Zone 4)		**Austrian Pine**	
Stiff deep green needles; upward curving boughs.			
6 to 8 ft. (20″ Ball)	Each $22.00		
resinosa — 50′ (Zone 2)		**Red Pine**	
Glossy green needles; striking reddish-brown bark.			
3 to 4 ft. (15″ Ball)	Each $ 9.20	8.00	7.00
4 to 5 ft. (16″ Ball)	Each $12.00	10.50	
7 to 8 ft. (20″ Ball)	Each $25.00	22.00	
strobus — 70′ (Zone 3)		**White Pine**	
This graceful, soft-green foliage tree is undoubtedly our finest ornamental Pine. Can be easily pruned to remain relatively small for many years.			
3 to 4 ft. (15″ Ball)	Each $ 9.20	8.00	7.00
4 to 5 ft. (16″ Ball)	Each $12.00	10.50	
5 to 6 ft. (17″ Ball)	Each $15.50	13.50	
6 to 7 ft. (18″ Ball)	Each $19.50	17.00	
7 to 8 ft. (20″ Ball)	Each $25.00	22.00	
8 to 9 ft. (24″ Ball)	Each $34.50	30.00	
PSUEDOTSUGA taxifolia — 70′ (Zone 4)		**Douglas Fir**	
Excellent specimen tree. Stately, yet graceful.			
6 to 7 ft. (18″ Ball)	Each $22.50	19.50	
7 to 8 ft. (20″ Ball)	Each $29.00	25.00	
TAXUS 'Brown' (Zone 4)		**Brown's Anglojap Yew**	
Compact and rounded, with fine-textured, dark green foliage.			
15 to 18 in. (11″ Ball)	3.90	3.40	3.25
1½ to 2 ft. (12″ Ball)	5.20	4.50	4.25
2 to 2½ ft. (13″ Ball)	6.25		
'Capitata' — 15′ (Zone 4)		**Upright Japanese Yew**	
The favorite upright form — broadly pyramidal when older. Useful for hedging, specimen or accent.			
15 to 18 in. 7 yr. TT B&B		2.10	2.00
18 to 21 in. 7 yr. TT B&B		2.90	2.75
2 to 2½ ft. (13″ Ball)	6.40	5.50	5.25
2½ to 3 ft. (14″ Ball)	7.25	6.30	6.00
3 to 3½ ft. (16″ Ball)	9.10	7.90	7.50
3½ to 4 ft. (17″ Ball)	11.50	10.00	
4 to 4½ ft. (18″ Ball)	16.10		

TAXUS — Continued	5-24 Each	25-99 Each	100 up Each
'Cuspidata' — 6' (Zone 4) **Spreading Japanese Yew**			
Most popular and useful bushy, spreading yew. Our stock is well sheared.			
12 to 15 in. (10" Ball)	2.50	2.10	2.00
15 to 18 in. (11" Ball)	3.20	2.75	2.60
1½ to 2 ft. (13" Ball)	4.00	3.50	3.35
2 to 2½ ft. (14" Ball)	5.50		
c. F&F Compacta — 6' (Zone 4) **F&F Compact Jap Yew**			
Slow growing bushy habit. Rich dark green. One of the best of the spreading yews.			
15 to 18 in. (11" Ball)	4.20	3.65	3.50
1½ to 2 ft. (12" Ball)	5.20	4.50	4.25
c. nana — 4' (Zone 4) **Dwarf Japanese Yew**			
Very slow growing.			
12 to 15 in. (11" Ball)	4.60	4.00	
15 to 18 in. (12" Ball)	6.00	5.20	
18 to 21 in. (13" Ball)	7.50		
'Densiformis' — 4' (Zone 4) **New Intermediate Yew**			
An improved, dense, and very handsome intermedia type.			
12 to 15 in. (10" Ball)	3.05	2.65	2.50
15 to 18 in. (11" Ball)	3.90	3.40	3.25
'Hatfield' — 6' (Zone 4) **Hatfield Yew**			
Upright. Wider than Hicks. Dense habit. Very popular. Ours are heavy and beautiful.			
15 to 18 in. (11" Ball)	3.70	3.15	
1½ to 2 ft. (12" Ball)	4.60	4.00	3.75
2 to 2½ ft. (13" Ball)	5.40	4.75	
'Hicks' — 8' (Zone 4) **Hicks Yew**			
Narrow columns of rich glossy green.			
12 to 15 in. (10" Ball)	2.40	2.00	1.90
15 to 18 in. (11" Ball)	3.00	2.55	2.40
1½ to 2 ft. (12" Ball)	3.75	3.15	3.00
intermedia 'Sebian' — 4' (Zone 4) **Sebian Intermediate Yew**			
Somewhat rounded spreading variety. Attractive rich green foliage. Very hardy.			
15 to 18 in. (11" Ball)	3.90	3.40	3.25
1½ to 2 ft. (12" Ball)	4.80	4.20	
2 to 2½ ft. Hvy (14" Ball)	7.35		
'Ward' (Clifton) — 2½' (Zone 4) **Clifton Anglojay Yew**			
Slow-growing, compact type with short, twisted bright green needles.			
12 to 15 in. (11" Ball)	3.90	3.40	3.25
15 to 18 in. (12" Ball)	4.90	4.20	4.00
'Wilson' — 6' (Zone 4) **Wilson's Japanese Yew**			
Plants are compact, very dark green; taller than broad, vase-shaped when young and becoming rounder with age. Of certain origin, but certainly a worthwhile type. Your customers will like this one.			
15 to 18 in. (11" Ball)	3.50	3.00	2.85
1½ to 2 ft. (12" Ball)	4.40	3.80	3.60
2 to 2½ ft. (13" Ball)	5.70	4.90	

NOTICE

We cannot box balled evergreens for shipment under any circumstances, but can often arrange for truck delivery of small orders. Please inquire.

Dark Green Arborvitae. Full and fat with two more growing months to go. Taken in July.

TAXUS — Continued

SPREADING TAXUS

From our experimental blocks
Symmetrical and dense with a minimum of shearing.

Both are strong growers. Both are completely hardy.

	5-24 Each	25-99 Each	100 up Each
Type "A" (Zone 4)			
Growth habits similar to "cuspidata". Needles and branches are well furnished and close coupled giving a massive appearance, outstanding color.			
2½ to 3 ft. (14" Ball)	8.00	7.00	
3 to 3½ ft. (16" Ball)	10.00	8.75	
Type "B" (Zone 4)			
Growth habits between 'baccata repandens' and 'cuspidata'. Same outstanding color and furnishing as "A".			
2 to 2½ ft. (13" Ball)	6.25		
2½ to 3 ft. (14" Ball)	8.00		
3 to 3½ ft. (16" Ball)	Each $12.50		

THUJA occidentalis 'Elegantissima' — 20' (Zone 4) **Goldtip Arborvitae**

Compact pyramid, as broad as Dark Green American. Foliage rich lustrous green tipped with gold. A best-seller spring and fall.

3 to 4 ft. (14" Ball)	3.90	3.40	

o. 'Nigra' — 20' (Zone 3) **Dark Green Arborvitae**

Dense, dark green all year. Broader than pyramidalis, and holds color better. These are full, fat, sheared beauties.

2½ to 3 ft. (13" Ball)	3.20	2.70	2.55
3 to 4 ft. (14" Ball)	3.75	3.25	

For less than 5 of a size add 30% to the 5 rate.

CANADIAN HEMLOCK — Dense shapely form results from Cole's careful and frequent shearing.

THUJA — Continued	5-24 Each	25-99 Each	100 up Each
o. 'Pyramidalis' — 25' (Zone 4) — **Pyramidal Arborvitae**			
Narrow, spire-shaped, bright green type. Always popular. Your customers will like our sheared specimen plants.			
2½ to 3 ft. (13" Ball)	2.90	2.50	2.40
3 to 4 ft. (14" Ball)	3.60	3.15	3.00
4 to 5 ft. (15" Ball)	4.50	3.90	3.70
o. 'Sherman' — 6' (Zone 3) — **Sherman Arborvitae**			
Broadly pyramidal. Similar to 'Wareana'.			
3 to 4 ft. (14" Ball)	3.90	3.35	
o. 'Woodward' — 4' (Zone 4) — **Woodward Globe Arborvitae**			
Compact, bushy globe, a little broader than tall. Good color. Sheared plants.			
15 to 18 in. (11" Ball)	2.00	1.65	1.55
1½ to 2 ft. (12" Ball)	2.40	2.00	1.90
2 to 2½ ft. (13" Ball)	3.00	2.60	2.45
plicata atrovirens — 40' (Zone 4) — **Giant Arborvitae**			
Pyramidal form. Deep green foliage.			
3 to 4 ft. (14" Ball)	4.35	3.75	
4 to 5 ft. (16" Ball)	5.00		

NOTICE

We cannot box balled evergreens for shipment under any circumstances, but can often arrange for truck delivery of small orders. Please inquire.

	5-24 Each	25-99 Each	100 up Each

TSUGA canadensis — 75' (Zone 3) **Hemlock Spruce**

Compact, tightly sheared pyramids, with distinct leaders. Grown in loamy, good balling soil. They don't come any better.

2½ to 3 ft. (14" Ball)	4.90	4.20	
3 to 3½ ft. (15" Ball)	5.75	5.00	
3½ to 4 ft. (16" Ball)	7.00	6.05	
4 to 5 ft. (17" Ball)	9.00	7.80	
5 to 5½ ft. (18" Ball)	12.00	10.50	

caroliniana — 50' (Zone 4) **Carolina Hemlock**

Compact, graceful, pyramidal tree, somewhat slower than the above. Perfectly hardy with no winter or sun burn.

3 to 3½ ft. (15" Ball)	Each $ 9.50
3½ to 4 ft. (17" Ball)	Each 12.50
4 to 5 ft. (18" Ball)	Each 18.00

SPECIMENS

We have a number of beautiful heavy specimen Carolina Hemlock, 16 feet and up tall. These should be seen for selection. Details on request.

PLANTS FOR ADVERSE CITY CONDITIONS

Acanthopanax
Acer platanoides vars.
Aralia elata
Aronia
Berberis
Campsis
Celastrus
Celtis
Cercidiphyllum
Chaenomeles
Chionanthus
Cornus, shrubs
Elaeagnus
Euonymus, various
Ginkgo
Fraxinus pennsylvanica
Forsythia
Gleditsia
Hibiscus syriacus vars.
Hydrangea vars.
Hypericum
Ilex crenata vars.
Ilex glabra
Koelreuteria
Ligustrum vars.
Lonicera vars.
Magnolia vars.
Mahonia
Malus vars.
Myrica
Pachysandra
Parthenocissus
Phellodendron
Philadelphus vars.
Polygonum
Populus
Physocarpus
Platanus acerifolia
Potentilla
Pyracantha
Quercus borealis
Rhamnus frangula
Spiraea macrothyrsa
Spiraea van houttei
Symphoricarpos vars.
Syringa vars.
Taxus vars.
Tilia vars.
Ulmus pumila
Viburnum, most
Vinca
Zelkova

BROADLEAF EVERGREENS

For less than 5 of a size add 30% to the 5 rate.

	5-24 Each	25-99 Each	100 up Each
BUXUS koreana — 4' (Zone 4)		**Korean Boxwood**	
Hardiest of all Boxwoods. Ours are well trimmed bushy plants.			
10 to 12 in. (9" Ball)	$ 2.80	$	$
12 to 15 in. (10" Ball)	3.50		

EUONYMUS

We are large growers of Evergreen Euonymus of all the hardy varieties. We have an unusually fine strain of E. coloratus (Purpleleaf Wintercreeper) which we consider one of the finest of ground covers. Only the horizontal cuttings are used for propagation. Several varieties are spaced for balling.

EUONYMUS 'Erecta' — 3' (Zone 5)		**Upright Wintercreeper**	
Dense, bushy growth. Small, glossy, dark green leaves. Fine hedge plant, either tighty sheared or grown informally. This is the Berryhill strain.			
15 to 18 in., Heavy	1.10	.75	.70
1½ to 2 ft., Heavy	1.50	1.10	1.00
1½ to 2 ft., Heavy (11" Ball)	2.60	2.25	2.10
fortunei (acutus). Creeper or Vine. (Zone 5)		**Wintercreeper**	
Lowest-growing of the evergreen wintercreepers, this gem is seldom over 6 inches high as a ground cover. Small deep green foliage is exceedingly handsome. Can also be grown as a very effective vine.			
15 to 18 in., 3 yr. field	1.10		
1½ to 2 ft., 3 yr. field	1.30	.90	
f. 'Coloratus' (Zone 5)		**Purpleleaf Wintercreeper**	
Leaves quite large, purplish fall and winter. An excellent ground cover, building up to about 12 inches, or will climb to 8 to 10 feet on support.			
10 to 15 in., field tr. (300 up, 20c ea.)		.30	.24
12 to 18 in., 2 yr. (300 up, 25c ea.)		.37	.30
15 to 18 in., 3 yr. (300 up, 33c ea.)		.45	.38
1½ to 2 ft., 3 yr. field (300 up, 40c ea.)	.85	.55	.45
f. vegetus — 4' (Zone 5)		**Bigleaf Wintercreeper**	
Thick, leathery, round leaves. Colorful orange fruits in profusion. Will grow as a bush, vine or creeper.			
9 to 12 in.	1.00	.65	
12 to 15 in.	1.25	.90	.80
15 to 18 in.	1.60	1.25	1.10
1½ to 2 ft.	1.90	1.55	

SPACED FOR BALLING

15 to 18 in. (10" Ball)	2.70	2.30	2.15
1½ to 2 ft. (11" Ball)	3.50	3.00	
2 to 2½ ft. (13" Ball)	5.00		

EUONYMUS — Continued	5-24 Each	25-99 Each	100 up Each
'Sarcoxie' (Zone 5)			
Dense. Glossy thick leaves. Outstanding.			
6 to 10 in. field tr. (300 up 23c)		.30	.25
9 to 12 in.		.45	.40
12 to 15 in.		.60	.50
15 to 18 in.	1.20	.85	.75
1½ to 2 ft.	1.35	1.00	.90
2 to 2½ ft.	1.75	1.40	1.25
2½ to 3 ft.	2.25		
1½ to 2 ft. (11" Ball)	2.60	2.25	2.10
2 to 2½ ft. (12" Ball)	3.45	3.00	2.85
2½ to 3 ft. (14" Ball)	4.60		

HEDERA helix baltica (Zone 4) — **Hardy Baltic English Ivy**

One of the best evergreen vines or ground covers. Small-leaved form hardy through 25 of our severe winters.

2¼ in. pots (300 or more, 17½c ea.)		.25	.20

ILEX crenata 'Hetzi' — 4' (Zone 5) — **Hetz Japanese Holly**

Similar to Convexa with slightly larger foliage and stronger growth.

12 to 15 in. (10" Ball)	2.50	2.15	2.00
15 to 18 in. (11" Ball)	3.05	2.70	
1½ to 2 ft. (12" Ball)	3.75	3.20	3.00
2 to 2½ ft. (13" Ball)	5.25		

MAHONIA aquifolium — 4' (Zone 5) — **Oregon Hollygrape**

Upright with glossy, holly-like leaves. Yellow flowers in May; blue berries late summer and fall. Stands shade, dry places.

15 to 18 in. (11" Ball)	2.85	2.50	2.35
1½ to 2 ft. (12" Ball)	3.85	3.50	

PACHYSANDRA terminalis — 10" (Zone 5) — **Japanese Spurge**

Evergreen ground cover, excellent for partial shade.

2¼" pots (300 up, 18c ea.)		.23	.20
2 yr. Field Gr. Strong (300 up, 18c ea.)		.23	.20

TEUCRIUM chamaedrys — 1' (Zone 5) — **Germander**

Lustrous, dark green leaves usually last all winter here. Bright lavender-pink flowers late summer. Excellent for edging beds, walks, pools — resembling dwarf Boxwood.

1 year field grown (300 up, 20c ea.)		.27	.22
2 year field grown (300 up, 25c ea.)		.35	.28

VINCA minor (Zone 4) — **Periwinkle or Myrtle**

Dense evergreen ground cover for sun and shade.

Strong Nursery Grown (300 up 18c ea.)		.25	.20

Cole's Pachysandra are especially heavy this year.

For less than 5 of a size add 30% to the 5 rate.

TAXUS — Heavy Liners and Canning Material. 4 year TT.

LINING-OUT STOCK

	30-99 Each	100-499 Each	500 up Each
ACER platanoides 'Crimson King' Pl. Pat. No. 735—35'		**Crimson King**	**Norway Maple**
5 to 6 ft. whips (Spring Only)	$ 2.00	$ 1.80	$
FRAXINUS pennsylvanica lanceolata — 60'			**Green Ash**
1 year S 10 to 15"		.06	.03
GLEDITSIA — New Imperial, Skyline, Majestic and Sunburst Locusts			
Full list of liners on pages 24-27.			
PHELLODENDRON amurense — 40'			**Amur Cork Tree**
1 year S 10 to 15"		.09	.06
EUONYMUS			
f. coloratus — 10 to 15" field tr.	.30	.24	.20
sarcoxie — 6 to 9" field tr.	.35	.25	

EVERGREENS

THE 6 YR. TT ARE HEAVY, FINE FOR CANNING

TAXUS			
'Bulk's Pyramidal'			
12 to 15" — 6 yr. TT	.65	.50	.45
'Browni'			
6 to 10" — 4 yr. TT		.40	.35
12 to 15" — 6 yr. TT		.55	
capitata			
15 to 18" — 7 yr. TTT	1.40	1.20	1.10
cuspidata			
8 to 12" — 4 yr. TT		.35	.30
12 to 15" — 6 yr. TT	.65	.50	.45
c. nana			
6 to 9" — 4 yr. TT		.50	.45
F&F compacta			
8 to 10" — 4 yr. TT		.35	.30
10 to 12" — 6 yr. TT	.65	.50	.45
Cole's erecta			
8 to 12" — 6 yr. TT	.65	.50	.45
densiformis			
10 to 12" — 4 yr. TT		.40	.35
12 to 15" — 6 yr. TT	.70	.55	
'Hatfield'			
10 to 12" — 4 yr. TT		.35	.30
12 to 15" — 6 yr. TT	.65	.50	
'Hicks'			
8 to 10" — 4 yr. TT		.35	.30
12 to 15" — 6 yr. TT	.65	.50	.45
intermedia			
10 to 12" — 4 yr. TT		.35	.30
12 to 15" — 6 yr. TT	.65	.50	.45
'Stovekeni' — Excellent columnar variety.			
6 to 9" — 4 yr. TT		.40	.35
Wardi			
8 to 12" — 4 yr. TT		.35	.30
10 to 12" — 6 yr. TT	.70	.55	
Wilsoni. Came through last winter bright and green.			
12 to 15" — 6 yr. TT	.70	.55	.50

PLANTS FOR SPECIAL PURPOSES

I. PLANTS FOR HEDGES AND SCREENS

Acanthopanax (HS)
Acer ginnala (HS)
Cornus mas (S)
Acer platanoides 'Columnar' (S)
Berberis, various (H)
Chaenomeles (H)
Cornus racemosa (S)
Crataegus crusgalli (S)
Crataegus phaenopyrum (HS)
Deutzia gracilis (H)
Elaeagnus (S)
Euonymus alatus (HS)
Euonymus a. compactus (H)
Euonymus f. 'Sarcoxie' (H)
Forsythia Arnold Dwarf (H)
Hibiscus syr. vars. (HS)
Hypericum kalmianum (H)
Ilex crenata vars. (H)
Ligustrum vars. (HS)
Lonicera vars. (S)
Physocarpus o. nana (H)
Pinus strobus (S)
Populus vars. (HS)
Pyracantha (H)
Rhamnus frangula (S)
Rhamnus **'TALLHEDGE'**
Rosa rugosa (H)
Salix purpurea 'Nana' (H)
Salix, trees (S)
Syringa chinensis (S)
Syringa vulgaris (S)
Taxus capitata (HS)
Taxus hicksi (H)
Teucrium (H)
Thuja, upright vars. (HS)
Tsuga canadensis (HS)
Ulmus pumila (S)
Viburnum dentatum (S)
Viburnum lantana (S)
Viburnum lentago (S)
Viburnum opulus compactum
Viburnum opulus nanum (H)
Viburnum tomentosum (S)

II. PLANTS FOR SHADE OR SUN

(P denotes only partial shade)

Abelia
Acanthopanax
Berberis
Aronia
Calycanthus
Cercis
Chionanthus
Clethra
Cornus
Corylus
Euonymus fortunei vars.
Forsythia (P)
Hamamelis
Hedera
Hydrangea (P)
Hydrangea petiolaris
Hypericum (P)
Ilex
Ligustrum
Lonicera
Mahonia
Myrica
Pachistima
Pachysandra
Parthenocissus
Philadelphus coronarius (P)
Physocarpus (P)
Pieris
Potentilla
Pyracantha
Rhamnus
Rhodotypos
Rhus
Symphoricarpos
Taxus
Tsuga
Viburnum dentatum
Viburnum lentago
Viburnum prunifolium
Viburnum trilobum
Vinca

Things To Remember When Planting Trees*

Purchase tree from reliable nursery — freshly dug.

Exercise care in transporting and handling.

Keep roots covered and moist at all times.

Prune back branches to compensate for root loss.

Prepare hole plenty large to allow for root spread.

Use good soil around roots, (peat mixed with soil).

Pack soil around roots and water to firm the soil.

Plant same depth at which tree was grown.

Form depression or cup to hold water.

Stake tree to keep from swaying in wind.

Mulch with straw, wood-chips or other material to conserve moisture.

Watering

A newly planted tree needs water, regular cultivation and mulching. New roots can form only when sufficient moisture is present in the soil. Keep the top layer of soil loose and give the roots a good soaking once a week. Water the tree with a slow stream of water to allow all the water to soak into the ground.

* Reproduced with the permission of the Division of Shade Trees, John G. Michalko, Commissioner, Cleveland, Ohio.

Skyline®

PLANT PAT. 1619

ANOTHER NEW COLE ORIGINAL

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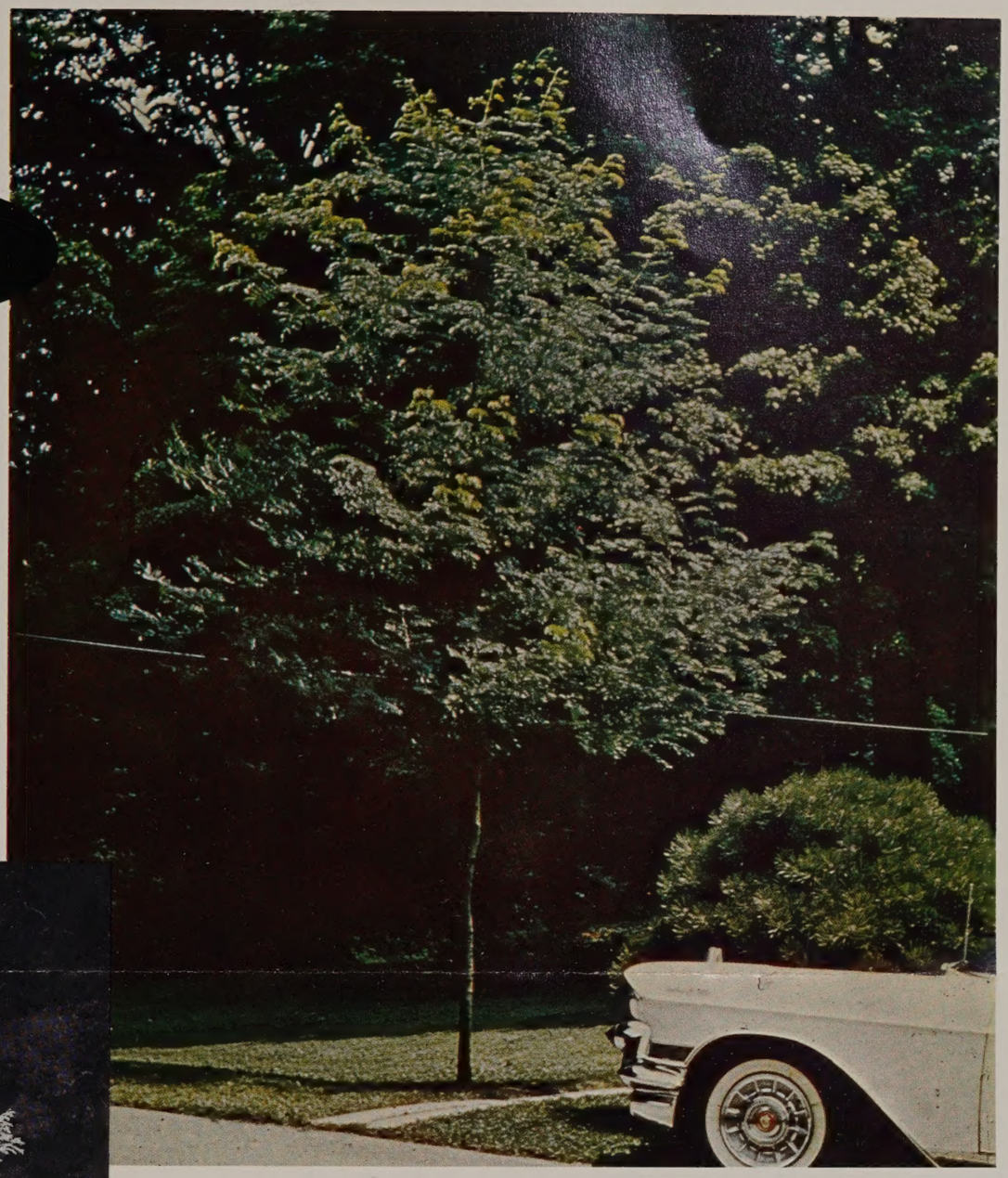


The 28-foot SKYLINE (Gleditsia triacanthos inermis) at right is ten years old. Its lowest branches are 8½ feet from the ground. At maturity this tree will reach a height of about 50 feet.

The young tree above was never staked or trimmed. It already exhibits the straight, sturdy trunk, symmetrical branching and distinctive pyramidal form characteristic of SKYLINE.

BECAUSE of soil conditions at our nurseries and specialized growing techniques developed through many years of experience, Cole pedigreed trees and plants produce better, more compact root systems which make for strong, healthy nursery stock. Modern, highly-mechanized systems of cultivation and digging and careful packing prevent injury to roots.

A stately new upright shade tree that meets many special requirements

COLE'S new SKYLINE is unusually attractive in any location. It was especially developed through long selective breeding for its distinctive pyramidal crown and rather formal symmetry. These characteristics make it particularly adaptable for planting in limited quarters such as narrow street set-backs, small lawns and other restricted locations. Yet, SKYLINE provides a handsome vertical accent in larger areas.

SKYLINE's dark green foliage has a heavy leathery texture, with red-bronze coloring on new growth. It needs no staking or special trimming; develops an exceptionally sturdy trunk and strong uniformly-spaced branches. The infrequent appearance of a female floret makes seeding of minor importance. Like the other new trees originated by Cole, SKYLINE is widely adaptable as to soil and climate and is highly resistant to disease, insects and storm damage. Write for our price list and the name of your nearest licensed grower.

THE COLE NURSERY CO.
PAINESVILLE, OHIO

OHIO'S LARGEST WHOLESALE NURSERY

Imperial®
PLANT PAT. 1605

ANOTHER NEW COLE ORIGINAL

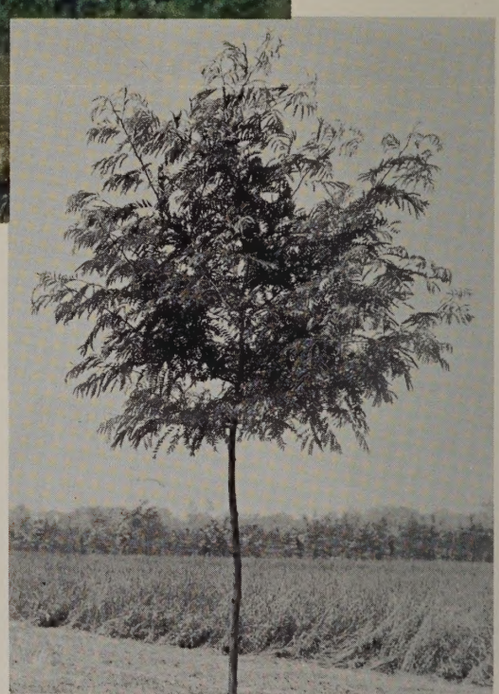
This eight-year-old IMPERIAL (Gleditsia triacanthos inermis) has reached a height of 18 feet. A medium-size variety, it should grow to about 35 feet at maturity. Only occasional trimming is necessary to keep it to any lower height desired.

America's most popular new all-purpose shade tree fits modern landscape plans

COLE'S new IMPERIAL is a naturally graceful, spreading variety with dainty, refined foliage and a fresh green color. Yet, it is an exceptionally strong, hardy tree with prolific branching habit that forms a broad, compact, well-shaped head.

IMPERIAL was developed specifically to conform to the modern trends in architecture and municipal planning. It is ideal for home landscaping because its spreading, lacy foliage casts light, sun-dappled shade beneficial to lawns. IMPERIAL is a favorite of the professionals for street, park and roadside planting because it is easy to plant, grows straight *without staking* and requires little or no maintenance. It produces no ground-litter and is highly resistant to damage by city conditions, storms, disease or insects. It is adaptable to almost any soil or climate.

Write us for information, prices and name of your nearest licensed grower.



Even small IMPERIALS, like the three-year-old specimen above have the appearance of rather mature trees. Note the straight trunk and symmetrical head.

You are cordially invited to visit our Painesville headquarters and our Circleville, Ohio, nursery during the summer season (May 15 through August 15). We will be glad to show you our 1200-acre facilities, modern mechanized equipment and some 360 varieties of trees and nursery stock.

THE COLE NURSERY CO.
PAINESVILLE, OHIO

OHIO'S LARGEST WHOLESALE NURSERY

BALLING SCHEDULE

In this catalog, where ball sizes are shown, viz., (15" Ball), etc., the price includes a definitely superior job of superior, burlapping and securely rope-tying roots. Sizes and weights are listed for your guidance in estimating shipping weights, and are only approximate; varieties and soil conditions cause them to vary.

Where customer requires balls on shrubs, trees and plants not catalogued as above, the following charges will be added to the listed price of the plant:

SHRUBS

BALL SIZE	WT. LBS.		1 Each	2 Up	5 Up	20 Up	50 Up
10x10"	32	1½ to 2′	$ 1.25	$ 1.05	$ .90	$ .80	$ .75
11x10"	38		1.35	1.15	1.00	.90	.85
12x11"	47	2 to 3′	1.60	1.35	1.20	1.10	1.00
13x11"	60	3 to 4′	2.00	1.75	1.55	1.40	1.30
14x12"	75		2.50	2.15	1.90	1.75	1.65
15x12"	90	4 to 5′	3.10	2.65	2.35	2.15	2.00
16x13"	110	5 to 6′	3.70	3.20	2.85	2.60	2.45
17x13"	130		4.30	3.75	3.35	3.05	2.85
18x14"	160	6 to 7′	5.20	4.50	4.00	3.65	3.40
20x15"	210	7 to 8′	7.25	6.30	5.60	5.10	4.75

FLOWERING TREES

14x12"	75	4 to 5′	2.50	2.15	1.90	1.75	1.65
15x12"	90	5 to 6′	3.10	2.65	2.35	2.15	2.00
16x13"	110	6 to 7′	3.70	3.20	2.85	2.60	2.45
17x13"	130	6 to 8′	4.30	3.75	3.35	3.05	2.85
18x14"	160	7 to 8′	5.20	4.50	4.00	3.65	3.40
20x15"	210	8 to 10′	7.25	6.30	5.60	5.10	4.75

SHADE TREES

18x14"	160	1 to 1¼"	5.20	4.50	4.00	3.65	3.40
20x15"	210	1¼ to 1½"	7.25	6.30	5.60	5.10	4.75
22x16"	270	1½ to 1¾"	9.20	8.00	7.15	6.50	6.00
24x17"	340	1¾ to 2 "	11.60	10.10	9.00	8.25	7.70
26x18"	450	2 to 2½"	15.00	13.00	11.50	10.50	9.80
30x20"	680	2½ to 3 "	22.00	19.00	17.00	15.50	14.40
33x22"	880	3 to 3½"	27.50	24.00	21.40	19.50	18.20
36x23"	1100	3½ to 4 "	36.00	31.50	28.00	25.50	23.80
40x25"	1500	4 to 4½"	45.00	39.50	35.00	32.00	29.80
44x27"	2000	4½ to 5 "	56.50	49.50	44.00	40.00	37.40
48x29"	2600	5 to 5½"	71.00	62.00	55.00	50.00	46.70

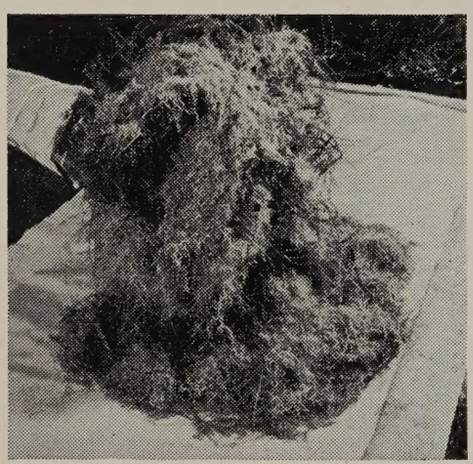
In some instances our recommended ball sizes are larger than A.A.N. Standard. If a smaller ball size is desired, use the above schedule to determine the lower balling price.

Prices include loading on **open** trucks or trailers at the nursery. Railroad loading on "Tree" sizes entails extra cost.

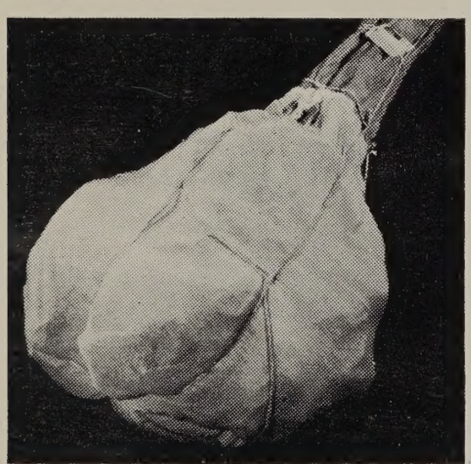
Platforms require additional labor and handling, therefore an additional cost will be added for their use. Part of this charge will be refunded on prepaid return of platforms in good condition.

Specialized Cole Methods produce well-formed, healthy trees with strong, compact root systems.....

HEALTHY, COMPACT ROOT SYSTEM of this root-pruned Cole tree will get it off to a good start in your planting. Yardstick in this "worm's-eye view" shows typical size of roots on a 1½" caliper Green Ash.



CAREFUL PACKING assures delivery of these Cole Imperial Locusts (P. P. 1605) in good condition. Roots are protected by an ample covering of well-dampened moss.



POLYETHYLENE-COATED and heavy crinkled Kraft papers retain moisture and prevent injury. Cloth covering and careful tying avoid tearing of package.

Careful packing and shipping deliver them in good condition

Cole uses advanced, cost-saving, mechanized methods of planting, fertilizing, irrigating, cultivating, pruning, digging and packing to produce and deliver highest quality landscape material with the strongest root systems grown.

Cole's 1200-acre nurseries are the largest in Ohio. Ideal soil and climate conditions make this one of the nation's finest natural growing areas.

Cole trees and nursery stock are grown by experts who specialize in the improvement of standard varieties and the development of new varieties. If you want modern trees that live and flourish call Cole.

Ohio's Largest Wholesale Nursery

THE COLE NURSERY CO.

HEADQUARTERS: 2000 W. Jackson St., Painesville, Ohio
CIRCLEVILLE DIVISION: R.D. #1, Circleville, Ohio